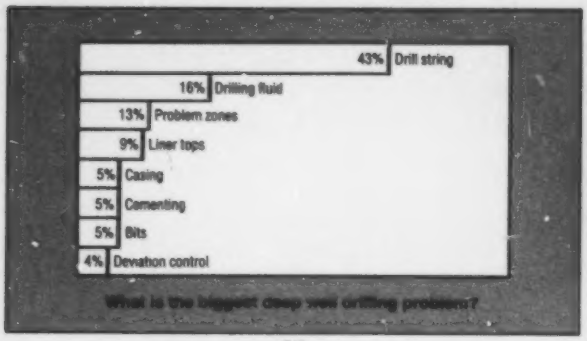
Petroleum Engineer® INTERNATIONAL

The international magazine of methods for engineering/ operating people

MARCH 1985 NUMBER 3 VOLUME 57



37

52

DEEP WELL REPORT

U.S. Drillers Complete 614 Deep Wells In 1984 21
by Rich McNally, Associate Editor, and Laura Jacobus, Assistant Editor. With a per-well cost of about $5.8 million, 1984 was the most economical deep drilling year since 1981.

Deep Well Map 29
State-by-state data on last year's 614 deep wells include historical trends in average depths, costs, bits, and expenditures for drilling fluids and tubulars. Also included is a list of the 165 companies that operated deep wells in the U.S. during 1984.

Operators Remain Optimistic About Deep Wells 37
In an exclusive survey, operators indicate they are not overly discouraged about deep drilling in the U.S. this year, but they are concerned about continuing technical problems. The survey also found that operators expect things to get better next year.

How To Apply The New API Axial Load Adjustment 40
by Phillip D. Pattillo, Amoco Production Co. The first installment of a two-part report this month defines collapse resistance in tubulars and reviews some fundamental concepts involving multidimensional-stress states.

Deep Apache Well Controlled Successfully 52
by Bob Cudd, Cudd Pressure Control Inc., and Bob Grace, Grace, Shursen, Moore, and Associates. Highlights from the effort include a kill procedure in which more than a million pounds of liquid were pumped into the blowout in 8 minutes.

How A Contractor Views Deep International Drilling Prospects 61
George W. Perry, executive vice president of Loffland Brothers Co., doesn't look for large numbers of deep wells to be drilled in the Eastern Hemisphere or in South America for a number of years. A possible exception is Argentina.

What To Look For In Elastomer Seal Applications 64
by Michael J. Watkins, Battelle Petroleum Technology Center. These seals simplify the design and fabrication of production systems because they can tolerate normal variations in machining, while still giving good seal performance.

World Rig Locator R-1
More than 5,000 rigs, operated by 573 drilling contractors around the world, are listed in an exclusive directory that covers all contract rigs at work or available both on land and offshore. Almost 1,000 of the rigs are offshore.

DEPARTMENTS

NEWS HI-LITES 1
COURSE OF OIL 6
TECHNOLOGY TRENDS 8
OFFSHORE TECHNOLOGY 10
DRILLING AND EXPLORATION 76
INDUSTRY MEETING CALENDAR 84
DO YOU REMEMBER? 84
CONTINUOUS TABLES 87
PETROLEUM PROFILES 92
COMPANY NEWS 100
NEW PRODUCTS 108
COMMENT 116
INDEX TO ADVERTISERS 118

ABOUT THE COVER: Deep drilling in the U.S. increased slightly last year, according to the annual survey beginning on page 21. (Cover photo courtesy of Sun Exploration and Production Co.)

NEXT MONTH: The Downhole Tools and Technology Report in April will cover such techniques as gas lift and well treatment.

would need to be enhanced, and arrangements should be made for full in-water surveys."

Another point brought out by Vincent is that cargo pumps of most existing vessels are "unsuited to the new role of storage. They are usually driven by steam turbines and have too high a capacity for loading shuttle tankers.

"In addition, the conventional tanker pump room doesn't lend itself to continuous operation and maintenance, because it must be gas-freed prior to pipe work replacement and other hot-water repairs. This work will be necessary at some point in service life," Vincent said, "so duplication of systems and complete gas-tight division of the pump room (or an additional pump room) would form part of the conversion."

For these and other reasons, Three Quays Marine has determined that building from scratch usually is the better option. "There are exceptions to the rule," Vincent said, "but offshore interests would do well to contemplate the problems surrounding conversion and the current advantages to be secured in today's shipbuilding market."

Scots Study Holography For Underwater Inspection

A team of scientists at the University of Aberdeen is involved in a 3-year research project aimed at the use of underwater holography to examine such major structures as North Sea platforms.

Being funded jointly by the British Technology Group, Conoco (UK) Ltd., and the Science and Engineering Research Council, the $100,000 project is being led by Dr. John Watson of the university's engineering department.

Holography is an optical process that uses laser light to form three-dimensional real or virtual images of an object. It offers a number of advantages over conventional photography in that:

- The image is sharply focused throughout the whole scene.
- An observer studying a hologram can look around foreground obstructions to what lies behind them simply by moving his head.
- A permanent record can be made by exposing a photosensitive plate or paper at any location within a real 3-D image.
- Real or virtual images can be examined by macro or microscopic optical systems.

The Aberdeen researchers plan to develop a practical tool for underwater inspection, archiving, and dimensional analysis. Other uses could include the visualization of thermal currents so as to detect, for example, hot spots and, therefore, possible defects in riser pipes.

One major concern will be to determine experimentally and theoretically the extent to which seawater affects the quality of optical holograms. Practical means for minimizing the effects of light scattering will be devised. And possible recording geometries and their adoption in a prototype holographic camera will be examined. The emphasis throughout is to be on realistic full-scale offshore conditions.

Spill Control Unit Tested In North Sea

The prototype of an offshore oil-spill removal unit was put through preliminary tests in the North Sea recently by Krupp Ruhrorter Schiffswerft GmbH of Duisburg, West Germany.

Called the Model 3,000, the unit's functions were sea tested at a location some 11 miles northwest of Heligoland. On the following day, oil-removal tests were carried out using a controlled spill of fish oil.

The prototype oil removal unit is tested in the North Sea, where it was used to recover a controlled spill of fish oil.

The tug Eisfuchs had towed the 27-ton unit from Cuxhaven to the testing area where it was taken over by the Scharhorn, a German vessel used to combat oil pollution. Pumped-off oil passed through a hose into the 20-Mcf-capacity, heatable tanks of the Scharhorn.

The prototype, developed by the Krupp shipyard in cooperation with the Krupp Research Institute and sponsored by the Federal Ministry for Research and Technology, is said to have come through the trials successfully. Its efficiency currently is being improved in North Sea coastal waters, with the next scheduled offshore testing to be carried out in force 3 to 4 winds.

North Sea Survey Counts 1,300 Divers

The number of divers working in all sectors of the North Sea has doubled in the past 10 years, according to the Association of Offshore Diving Contractors. The latest figures released by the association indicate that 2,235 divers and support personnel were at work during the peak of the summer season in 1984.

AODC also reports that there were 479 remotely operated vehicle operators, manned submersible pilots, and related offshore personnel. And, for the UK alone, there were 664 commercial divers working inland-inshore.

An AODC survey in 1974 turned up 690 working divers. That number increased to 1,140 by 1980, and it

stood at 1,344 for the latest survey, in July 1984. AODC says that these numbers include only those divers "at work" and do not include divers on leave, sick, or not working for any other reason. If these divers were included, AODC says that the total figure for 1984 would be in the 3,000-range.

The head count of all relevant diving personnel employed during mid-1984 in the North Sea area breaks down as follows:

• Diving supervisors	243
• Mixed gas or bell divers	700
• Surface-oriented or air divers	644
• Life support technicians	150
• Tenders	88
• Other offshore support personnel	410
• Total	2,235

Increased Capabilities Studied For Jackups

A project aimed at investigating the increased water depth capabilities of existing jackup rigs is being conducted by Veritas Technical Services of Houston.

Tests conducted during the past year indicate that design loads in jackup legs at critical hull-leg connections can be reduced statically by the order of 25% and dynamically by more than 50% when foundation rotational stiffness is accounted for.

In the current project, VTS is studying several selected jackup designs and a range of typical Gulf of Mexico and North Sea environmental conditions. In each case, leg loadings found in the assumption of a pinned spud can connection to the seabed are being compared with those loads found with the more realistic restraints offered by actual soil conditions.

Computer calculations are expected to show how much increase in water depth is possible for each jackup and for each environmental condition without exceeding allowable forces and moments in the legs. A parallel comparison will investigate the effect of dynamics, both on the fatigue life of the unit and on the maximum loads that are induced in the legs when a linearized soil stiffness is accounted for and water depth for operations is increased.

Ocean Drilling Program Underway

A 10-year research mission began last month when the drillship Joides Resolution left the port of Miami on Leg 101, its first official scientific cruise for the Ocean Drilling Program.

A $30-million-a-year project funded by the U.S. National Science Foundation and other participating countries, the program is operated by Texas A&M University, which is responsible for core collection and analyses and for dissemination of results.

Plans call for a series of cruises, each about 8 weeks long, during which the drillship will circle the globe to retrieve cores from beneath the ocean floor in some of the most remote but geologically important areas of the earth.

The objective of the first cruise, Leg 101, is to study the evolution of the Bahamas carbonate platform, a large area of coral reef sediments in the eastern Caribbean. Plans call for seven holes of varying depths to be drilled in three areas of the Bahamas. The drilling system aboard the Joides Resolution (formerly the Sedco/BP 471) can handle 30,000 ft of drill pipe and can drill in up to 27,000 ft of water.

Power Stations For Small Fields

The French oil company Total is studying the possibility of using gas-fueled floating power stations to develop small natural gas fields in the North Sea.

Total engineers say that, for fields with flow rates of less than 5 MMcfd, using the gas to generate electricity offshore in a floating power station for delivery through a seafloor power cable should be more economical than piping the gas ashore, despite the low conversion rate – typically 30% to 50% of available energy.

The engineers estimate that a subsea gas pipeline is twice as costly as laying seabed power cables for distances in excess of 60 miles from shore. To keep costs down further, Total would use surplus oil tankers and existing gas turbine generator systems, which could be fed directly with virtually untreated gas.

The tankers would be moored to single-point mooring buoys containing both gas risers and power cables.

Transponders Recovered From Deep Gulf

Ten transponder assemblies, each weighing 1,800 lb, were recovered recently from more than 1,400 ft of water in the Gulf of Mexico's Mississippi Canyon area.

A special recovery tool, designed by Sonat Subsea Services for use with its Recon IV S remotely operated vehicle (ROV), was used to latch on to the transponders, which had been installed on the seabed 4 years ago as part of a study of seabed motion.

The ROV was deployed in the vicinity of the transponder grouping and, using high resolution sonar, flew directly to each transponder. The vehicle then used its manipulator to attach the lift hook to the transponders, which facilitated their recovery by surface lift equipment. Nine of the transponders reportedly were recovered in fewer than 24 hours.

Garoupa-Cormorant Reprints Available

A combined reprint of "Pioneering Startups At Garoupa And Cormorant" (PETROLEUM ENGINEER INTERNATIONAL, January 1985, p. 30) and "Dry And Wet Systems Operating At Landmark Projects" (PEI, February 1985, p. 52), by Derrick Booth, Subsea Data Services, Houston, Tex., is available free of charge as long as the supply lasts. Contact Dorothy Pate, Energy Publications, P. O. Box 1589, Dallas, Tex. 75221-1589, (214) 691-3911. ■

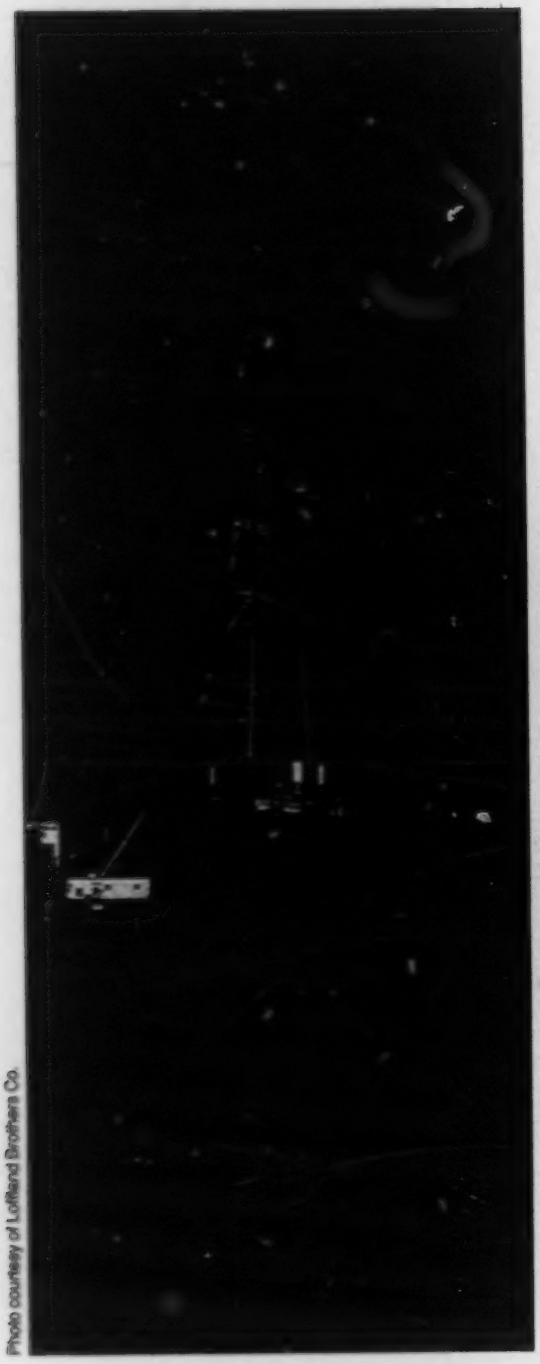


Photo courtesy of Loffland Brothers Co.

DEEP WELL REPORT

In the pages that follow, PEI reports on 614 deep wells drilled in the U.S. in 1984.

by Rich McNally, *Associate Editor*,
and Laura Jacobus, *Assistant Editor*

	U.S. deep wells*		Alabama land			Alabama offshore		
No. of wells	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Averages:								
Well depth, ft	17,364	16,974	16,727	16,854	16,191	16,278	21,404	20,554	21,719
Cost/well, ($000)	$6,837	$6,095	$5,817	$3,329	$2,110	$2,212	$36,750	$19,406	$20,950
Cost/ft	$382	$353	$348	$198	$130	$136	$1,716	$950	$965
Mud cost/well, ($000)	$569	$520	$457	$337	$156	$157	$1,940	$951	$710
Mud cost/ft	$33	$27	$27	$20	$10	$10	$91	$46	$33
Bits/well	37	32	35	19	21	18	107	50	45
Ft/bit	466	618	478	887	974	904	201	432	483
Tubulars/well, tons	NR	644	597	NR	270	301	NR	1,066	1,141
Tubular cost/well, ($000)	NR	$1,475	$1,179	NR	$501	$441	NR	$3,507	$3,356
Success ratio	569:1,205	301:577	288:614	14:27	9:21	8:24	2:2	5:5	2:3
Wildcat success ratio	182:536	89:255	66:269	1:9	2:8	1:12	–	2:2	2:3
Development success ratio	417:669	212:322	222:345	13:18	7:13	7:12	2:2	3:3	–
Total wells, ($M):									
Mud	$665,589	$357,854	$268,144	$9,109	$3,282	$3,768	$3,879	$4,756	$2,130
Drilling	$6,859,255	$3,026,113	$2,635,521	$70,907	$36,215	$44,301	$56,173	$90,010	$44,610
Completion	$1,118,354	$420,970	$586,030	$18,967	$7,393	$5,568	$7,327	$7,022	$10,050
Total	$7,997,571	$3,516,500	$3,386,232	$89,874	$44,302	$53,088	$73,500	$97,032	$62,850
Total footage	10,911,443	5,734,097	10,270,547	435,958	340,012	380,674	42,808	102,768	65,158

*Deep wells, in this and subsequent tables, are wells drilled to 15,000 ft and deeper

	Alaska land		Alaska offshore			California land		
No. of wells	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Averages:								
Well depth, ft	15,575	18,009		17,105	16,400	15,725	17,452	15,851
Cost/well, ($000)	$29,100	$8,945		$51,137	$66,930	$6,180	$10,475	$6,703
Cost/ft	$1,804	$497		$3,011	$4,081	$583	$590	$423
Mud cost/well, ($000)	$1,506	$763		$976	$1,291	$1,011	$555	$810
Mud cost/ft	$97	$42		$57	$79	$64	$32	$51
Bits/well	61	36		$2	45	53	63	67
Ft/bit	255	50		329	364	297	310	237
Tubulars/well, tons	NR	1,653		964	1,065	NR	1,173	252
Tubular cost/well, ($000)	NR	$1,984		$1,834	$2,180	NR	$2,500	$590
Success ratio	1:1	0:1		0:2	0:1	2:4	1:2	1:4
Wildcat success ratio	0:1	0:1		0:2	0:1	2:4	0:1	0:3
Development success ratio	1:1	–		–	–	–	1:1	1:1
Total wells, ($M):								
Mud	$3,012	$763		$1,952	$1,291	$4,043	$1,110	$2,440
Drilling	$53,100	$8,945		$96,123	$66,930	$27,249	$16,750	$22,100
Completion	$3,100	–		–	–	$9,391	$4,200	$4,712
Total	$56,200	$8,945		$102,274	$66,930	$36,641	$20,950	$26,812
Total footage	31,150	18,009		34,210	16,400	62,898	34,903	63,403

Deep drilling in the U.S. made a modest comeback during 1984 with the completion of 614 wells drilled deeper than 15,000 ft. The previous year's total had been 577.

Total expenditures for drilling and completing 1984's deep wells came to almost $3.4 billion, which breaks out to a per-well cost of about $5.8 million. That is the lowest per-well cost recorded by PETROLEUM ENGINEER INTERNATIONAL's Annual Deep Well Report since 1981. Part of the reason could be that the average depth of 1984's deep wells was 16,727 ft–the shallowest in 20 years. Another reason is the improved drilling economics of recent years. And that is reflected in last year's $348 cost per foot. In 1983, cost per foot had been $353, and in 1982 (deep drilling's high-water year), cost per foot was a record $382.

Despite their shallower average depth, last year's deep wells used more bits than did 1983's. Each bit in 1984 cut an average of 478 ft of hole. That is 140 fewer feet than 1983's bits reached, but it is a 12-ft-per-bit improvement over 1982.

As might be expected with average well depth declining by almost 250 ft, tubular tonnage was down also in 1984. The average deep well last year consumed 597 tons of pipe, a decrease of almost 50 tons per well from 1983. That year was the first in which the Deep Well Report included tubular data.

Success rate for deep exploratory wells during 1984 was only 25%, with 68 of the year's 269 wildcats striking oil or gas–mostly gas. Development drilling, on the other hand, was successful 64% of the time. That is very close to normal for deep development drilling in the U.S. and is in line with 1983's 65% and 1982's 62%. Deep wildcatters, however, usually have better luck than they did in 1984.

Completions, for the purposes of the Annual Deep

	California offshore			Florida			Idaho		
No. of wells	1982 (6)	1983 (3)	1984 (2)	1982 (7)	1983 (9)	1984 (7)	1982 (2)	1983 (9)	1984 (1)
Averages:									
Well depth, ft			17,713	15,908	16,085	16,383	17,070		15,272
Cost/well, (000)			$7,600	$3,561	$3,677	$5,661	$14,032		$4,145
Cost/ft			$129	$224	$219	$346	$822		$271
Mud cost/well, (000)			$400	$186	$121	$113	$811		$305
Mud cost/ft			$23	$12	$8	$7	$48		$20
Bits/well			21	17	18	19	76		83
Ft/bit			844	960	1,083	862	226		242
Tubulars/well, tons			600	NR	447	449	NR		317
Tubular cost/well, (000)			$900	NR	$650	$925	NR		$296
Success ratio			0:2	4:7	4:9	4:7	0:2		0:1
Wildcat success ratio			0:2	0:2	1:6	1:4	0:2		0:1
Development success ratio			–	4:5	3:3	3:3	–		–
Total costs, ($000):									
Mud			$800	$1,296	$1,091	$791	$1,622		$305
Drilling			$15,200	$23,275	$28,245	$28,595	$27,040		$4,145
Completion			–	$1,650	$3,850	$9,361	$1,023		–
Total			$15,200	$24,925	$33,094	$38,627	$28,083		$4,145
Total footage			35,426	111,358	144,766	114,686	34,140		15,272

	Louisiana land			Louisiana offshore			Mississippi		
No. of wells	1982 (221)	1983 (125)	1984 (135)	1982 (76)	1983 (89)	1984 (70)	1982 (68)	1983 (24)	1984 (29)
Averages:									
Well depth, ft	17,316	17,055	16,493	16,638	16,626	16,404	17,256	16,026	17,420
Cost/well, (000)	$6,760	$4,100	$3,671	$9,393	$9,742	$8,380	$3,525	$1,716	$4,832
Cost/ft	$390	$234	$223	$565	$581	$511	$204	$108	$277
Mud cost/well, (000)	$875	$422	$364	$892	$1,548	$691	$295	$137	$324
Mud cost/ft	$39	$24	$22	$52	$96	$42	$17	$9	$19
Bits/well	34	26	25	34	32	32	25	22	33
Ft/bit	517	708	660	497	593	513	705	770	528
Tubulars/well, tons	NR	635	525	NR	796	751	NR	341	520
Tubular cost/well, (000)	NR	$1,461	$901	NR	$1,643	$1,425	NR	$449	$1,330
Success ratio	85:221	50:125	49:135	31:76	28:89	22:70	29:69	10:24	16:29
Wildcat success ratio	31:122	16:68	13:65	9:35	8:48	7:39	7:33	1:7	3:13
Development success ratio	54:99	34:57	36:70	22:41	20:41	15:31	22:36	9:17	13:16
Total costs, ($000):									
Mud	$149,258	$52,974	$49,164	$52,610	$137,790	$48,370	$20,355	$3,285	$9,396
Drilling	$1,309,458	$434,834	$383,400	$620,302	$761,629	$499,590	$202,698	$33,706	$101,845
Completion	$184,201	$69,493	$70,364	$92,910	$70,469	$85,134	$40,531	$7,443	$24,800
Total	$1,493,867	$512,496	$495,585	$713,885	$867,039	$671,770	$243,229	$41,189	$127,128
Total footage	3,826,838	2,313,892	2,226,535	1,264,464	1,479,722	1,148,311	1,190,678	384,635	505,181

Well Report, are defined as wells that reach total depth of 15,000 ft or more during the calendar year, regardless of whether production equipment has been installed.

Louisiana, with 205 deep wells, maintained its position as the leading deep-well state. Some 70 of Louisiana's deep wells were drilled offshore last year, which means that the Pelican State is in front in that category also. Way in front, because the 70 wells represent 70% of all offshore deep wells drilled in the U.S. last year. Texas accounted for 22 of them and the rest were scattered among Alabama, Alaska, California, and the Atlantic Coast.

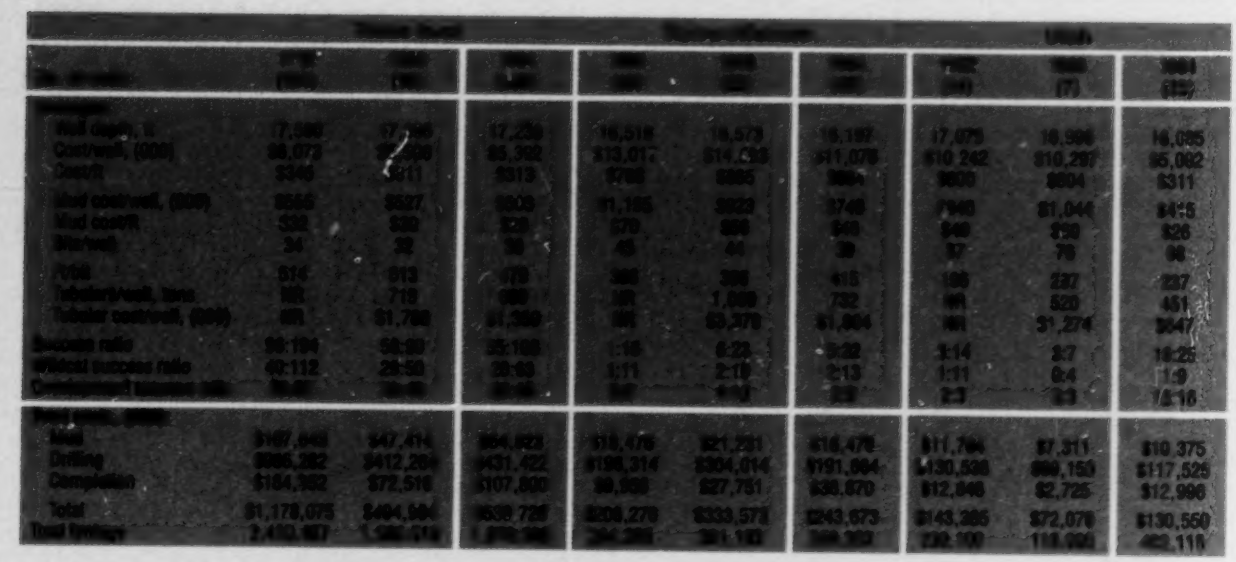
Onshore deep wells in Louisiana cost an average of $3.7 million to drill and complete last year. That is $400,000 per well better than the 1983 cost of $4.1 million per well.

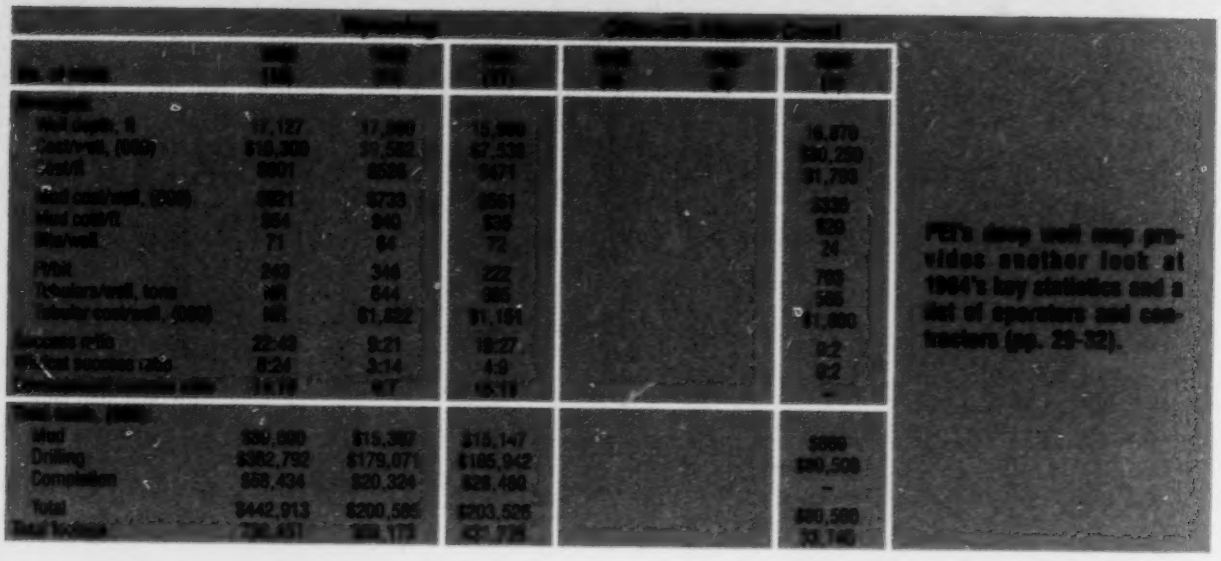
Offshore, where most of the deep drilling was in the Cameron-Marsh Island-Eugene Island areas, per-well cost was $8.3 million in 1984. That, also, is an improvement over 1983.

Overall, Louisiana's success rate was not too exciting last year. Only 71 of the state's 205 deep wells were successful. That is a percentage of 34. For the country as a whole, the 1984 success rate was 47%.

The second and third deep drilling states last year were Texas and Oklahoma, and their totals are only three wells apart. Texas drillers completed 131 deep wells during the year, while Oklahoma finished the year with 128, which is the lowest total for the Sooner State since 1978.

As indicated earlier, 22 of the Texas deep wells were drilled offshore, with the most popular deep drilling area being Matagorda Island, offshore Calhoun County. Costs are high, with the average deep well offshore Texas costing $11 million. That represents a decline,





however, of almost $3.5 million per well from costs reported in 1983. Nevertheless, the success rate offshore Texas last year was only 22%.

Onshore, Texans had more luck, with just over half of the year's deep wells being completed as producers. As usual, deep wells were sunk all across Texas, from East Texas to the Gulf Coast and South Texas and out to West Texas and the Panhandle. Their average cost was almost $5.4 million, which is about half a million dollars less than the state's deep land wells cost in 1983.

Oklahoma's 128 deep wells were drilled throughout the Anadarko Basin, from south-central Oklahoma to the Panhandle. They cost just under $4 million apiece, and 62% of them were successful. Wildcatters struck pay in 10 out of 20 attempts, and development drillers were successful with 69 of 108 deep wells.

The total number of Oklahoma deep wells last year was a decline of 16 from 1983. And it is a 365-well decline from 1982, which was when Oklahoma drillers accounted for more than 40% of all the deep wells drilled in the U.S. The reason, of course, is today's so-called gas bubble and the resulting depressed prices producers are receiving for natural gas.

Mississippi's deep wells were drilled mostly in the south-central region of the state, where drillers are looking for the Cotton Valley formation. Their success rate, for development wells, at least, has been pretty impressive. Some 13 of 16 deep development wells in Mississippi were completed as producers last year. Of 13 wildcats, only three found success.

Wyoming and Alabama tied for fifth place with 27 deep wells apiece. Three of Alabama's wells were offshore, in Mobile Bay, where the deep Norphlet formation is starting to attract a lot of interest. Not counting Alaska and the deep Atlantic Coast, however, Mobile Bay drilling is the most expensive in the U.S. Wells drilled there in 1984 cost more than $20 million apiece. One reason is the strict environmental standards that operators must meet. Another is the high temperatures and pressures encountered in deep

Contrasting Marks in Ultradeep Drilling

Ultradeep drillers set two records in the U.S. last year. For one thing, their completion total was the lowest since 1969, which was the first year in which ultradeep totals were broken out separately by PETROLEUM ENGINEER INTERNATIONAL's computerized Deep Well Report. On the positive side, the average depth of 1984's ultradeep wells (at 22,345 ft) is the deepest ever.

Deepest-well-of-the-year honors go to Exxon U.S.A.'s No. 1 State University FD well in Pecos County, Texas. Drilled to total depth of 25,285 ft, its completion in 1984 marked the fourth consecutive year in which a Pecos County well was the year's deepest. A wildcat, the Exxon well was completed as a gas producer.

The average cost for an ultradeep well in 1984 was just over $11 million, which comes to about $500 per foot. Success rate for superdeep wells (at 53%) was not too bad last year. It was higher than 1982's 41%, but lower than in 1983.

Interestingly, 1984's 28 ultradeep wells were evenly divided between the wildcat and development categories. Three years ago, more than 60% of the country's 20,000-ft wells had been wildcats. That is obviously a reflection of the changing economics of the natural gas business. It is hard to justify 20,000-ft wildcats with the price of gas in the $3/Mcf-range.

Texas led all states in ultradeep wells last year with nine – four of them in Pecos County. Oklahoma and Louisiana each accounted for six 20,000-ft wells, with two of Louisiana's being completed offshore.

Although comprising only 18% of the ultradeep total for the year, the five of last year's ultradeep tests that were drilled offshore accounted for 28% of the $299 million spent for ultradeep drilling during 1984. Offshore drilling can usually be counted on to be more expensive than onshore drilling, but the three wells in the environmentally sensitive Mobile Bay area made total costs even higher than usual.

	U.S. ultradeep wells*			Land ultradeep wells			Offshore ultradeep wells		
No. of wells	**1982 (132)**	**1983 (37)**	**1984 (28)**	**1982 (129)**	**1983 (31)**	**1984 (23)**	**1982 (3)**	**1983 (6)**	**1984 (5)**
Averages:									
Well depth, ft	21,617	21,674	22,345	21,644	21,601	22,538	21,236	20,724	21,460
Cost/well, (000)	$11,242	$9,967	$11,332	$12,625	$9,485	$10,210	$29,930	$14,606	$16,944
Cost/ft	$520	$461	$507	$583	$439	$453	$1,409	$705	$790
Mud cost/well, (000)	$1,068	$820	$906	$1,222	$883	$968	$2,007	$774	$599
Mud cost/ft	$49	$38	$41	$57	$41	$43	$95	$37	$28
Bits/well	60	49	51	73	54	53	95	42	41
Ft/bit	558	552	438	297	400	425	224	539	523
Tubulars/well, tons	NR	964	1,084	NR	998	1,108	NR	886	966
Tubular cost/well, (000)	NR	$2,376	$2,822	NR	$2,879	$2,751	NR	$2,492	$3,356
Success ratio	55:132	23:37	15:28	48:129	19:31	13:23	1:3	4:6	2:5
Wildcat success ratio	24:82	7:16	4:14	24:81	5:12	2:10	0:3	2:4	2:4
Development success ratio	31:50	16:21	9:14	24:48	14:19	11:13	1:2	2:2	0:1
Total costs, (000):									
Mud	$140,939	$30,354	$24,468	$134,987	$25,296	$19,929	$5,952	$5,058	$3,539
Drilling	$1,316,263	$333,044	$241,198	$1,226,980	$239,626	$173,046	$89,283	$93,418	$68,152
Completion	$166,926	$27,111	$49,764	$159,599	$24,089	$41,065	$7,327	$3,022	$8,699
Total	$1,483,931	$368,764	$298,868	$1,387,321	$272,324	$214,149	$96,610	$96,440	$84,719
Total footage	2,853,430	801,936	625,661	2,789,554	676,781	518,363	63,876	125,155	107,298
Location and number of wells				Louisiana (20) Mississippi (7) Oklahoma (67) Texas (31) Utah (1) Wyoming (3)	Louisiana (4) Oklahoma (8) Texas (15) Wyoming (4)	Louisiana (4) Mississippi (4) Oklahoma (6) Texas (9)	Alabama (2) Florida (1)	Alabama (4) Louisiana (2)	Alabama (3) Louisiana (2)

*Ultradeep wells are wells drilled to 20,000 ft and deeper

	Montana			New Mexico			Oklahoma		
No. of wells	**1982 (0)**	**1983 (1)**	**1984 (1)**	**1982 (28)**	**1983 (13)**	**1984 (22)**	**1982 (493)**	**1983 (144)**	**1984 (128)**
Averages:									
Well depth, ft		16,600	17,774	15,739	15,664	15,554	17,603	17,159	17,121
Cost/well, (000)		$9,700	$10,000	$3,293	$2,426	$2,453	$6,193	$4,520	$3,987
Cost/ft		$584	$563	$209	$155	$158	$352	$261	$233
Mud cost/well, (000)		$640	$500	$268	$188	$209	$505	$396	$362
Mud cost/ft		$39	$28	$17	$12	$13	$29	$23	$21
Bits/well		123	106	22	21	19	39	33	32
Ft/bit		135	168	715	806	818	446	549	535
Tubulars/well, tons		261	538	NR	384	354	NR	553	569
Tubular cost/well, (000)		$420	NR	NR	$784	$657	NR	$1,204	$1,256
Success ratio		0:1	0:1	17:28	11:13	12:22	290:493	106:144	79:128
Wildcat success ratio		0:1	0:1	12:18	4:5	4:7	68:145	21:29	10:20
Development success ratio		–	–	5:10	7:8	8:15	222:348	85:115	69:108
Total costs, (000):									
Mud		$640	$500	$7,512	$2,441	$4,596	$249,168	$57,010	$46,336
Drilling		$9,700	$10,000	$78,485	$22,181	$38,236	$2,570,424	$527,341	$400,768
Completion		–	–	$13,432	$9,004	$11,595	$473,200	$118,665	$176,210
Total		$9,700	$10,000	$92,199	$31,541	$49,831	$3,033,287	$650,933	$577,336
Total footage		16,600	17,774	440,685	203,638	341,966	8,678,458	2,470,827	2,191,443

(continued on page 35)

DEEP WELL

There were 165 deep w

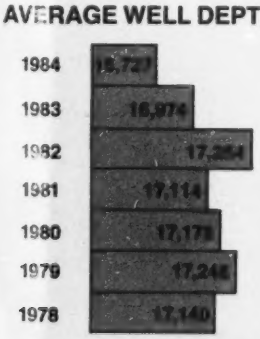
Alatex Energy Inc.
Amarex Inc.
Amerada Hess Corp.
Aminoil USA Inc.
Amoco Production Co.
An-Son Corp.
Anadarko Production Co.
The Anschutz Corp.
Apache Corp.
APD Oil
ARCO Alaska Inc.
ARCO Oil & Gas Co.
Barrick Exploration
Berexco
Bishop Petroleum Inc.
Bow Valley Resource Services Ltd.
C. F. Braun & Co.
Bright & Co.
Brock Exploration Corp.
BTA Oil Producers
Bunker Exploration Co.
Burk Royalty Co.
W. T. Burton
Cashco Oil Co.
Cenergy Exploration Co.
Champlin Petroleum Co.
Chase Exploration Corp.
Chevron USA Inc.
Cimmaron Petroleum Corp.
Cities Service Oil & Gas Co.
CNG Producing Co.
Coastal Corp.
Cockrell Oil Corp.
Columbia Gas Development Corp.
Conoco Inc.
Conquest Energy
Corpus Christi Oil & Gas Co.
Cotton Petroleum Corp.
Edwin L. Cox and Berry R. Cox
Cummins & Walker Oil Co. Inc.
Davis Oil Co.
Diamond Shamrock Exploration Co.
Dyco Petroleum Corp.
Eason Oil Co.
El Paso Exploration Co.
Enstar Corp.
Entex Petroleum Inc.
Exchange Oil & Gas Corp.
Exxon Co. U.S.A.
Federated Energy Corp.
First Energy Corp.
Florida Exploration Co.
Forest Oil Corp.
Gadsco Inc.
Getty Oil Co.
The GHK Companies
Grace Petroleum Corp.
Great Southern Oil & Gas Co. Inc.
Gulf Oil Corp.
H G & G Inc.
Michel T. Halbouty Energy Co.
Hamilton Brothers Oil Co.
Hanson Minerals
H. C. Harbaugh
Harkins & Co.
Hawthorne Oil & Gas Corp.
Helmerich & Payne Inc.
Hershey Oil Corp.
Highland Resources Inc.
Hilliard Oil & Gas Inc.
HNG Oil Co.
Huffco Petroleum Corp.
Hunt Oil Co.
Husky Oil Co.
Indrex Inc.
Inexco Oil Co.
Jaytex Oil & Gas
Jenkins Oil & Gas
Kaiser-Francis Oil Co.
Ladd Petroleum Corp.
Latham Resources Corp.
Lea Exploration Co.
Lear Petroleum Exploration
Leede Oil & Gas Inc.

DEEP WELL CO

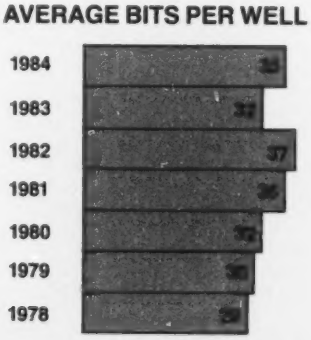
**The following 1
(reported by the ope
drilled the wells analyzed in**

A & P Drilling Co. Inc.
A & P Marine
Abbott Brothers
Anadarko Production
Apollo Drilling & Exploration
Ard Drilling Co. Inc.
Arden Drilling Co.
Atco Drilling Inc.
Atwood Oceanics Inc.
Baker & Taylor Drilling Co.
Bay Drilling Corp.
Bokenkamp Drilling Co. Ltd.
Bomac Drilling
Brinkerhoff-Signal Inc.
Cactus Drilling Co.
Caliber Energy
Chapman Drilling
Chase Drilling Co.
Chiles Drilling Co.
Cliffs Drilling Co.
Continental
Cothrum Drilling Co.
CRC Mallard Inc.
Culver Drilling
Delex Drilling
Delta Drilling Co.
Diamond M Land Drilling
Dixilyn-Field Drilling Co.
Dorchester Drilling Inc.
Dual Drilling Co.
Eason Oil Co.
Eljay Drilling Corp.
Exeter Drilling Co.
Flournoy Drilling Co.
Fluor Drilling
Forex-Neptune
Forwest Inc.
France Drilling
Fred Martin Drilling
Glendel Drilling Co. Inc.
Goldrus Drilling Co.
Grace Drilling Co.
Grace Miller Drilling
Grace-Glasscock Drilling
Grey Wolf Drilling Co.
Gulf Oil Exploration & Production
Harkins & Co.
Helmerich & Payne Inc.
Henley Drilling Co.
Hillin Drilling Co.
Horizon Drilling Co.
Huthnance Drilling Co.
Intrepid Drilling Corp.
J.F.P. Well Service Inc.
JHJ Drilling Co.
Johnson-Bates Drilling Co. Inc.
Justiss Oil Co. Inc.
K-Drilling
Keyes Offshore Inc.
Lanex Inc.
Latshaw Drilling Co.
Loffland Brothers Co.
Lord Drilling Co. Inc.
R. L. Manning Co.
Marine Drilling Co.
Marlin Drilling Co. Inc.

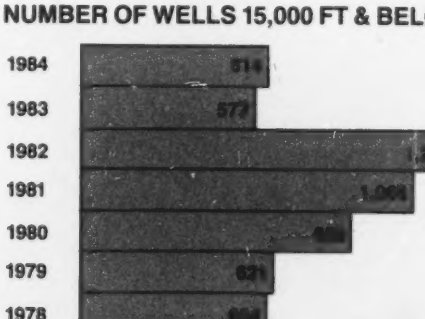
AVERAGE WELL DEPTH



AVERAGE BITS PER WELL



NUMBER OF WELLS 15,000 FT & BEL



PERATORS

ell operators in 1984.

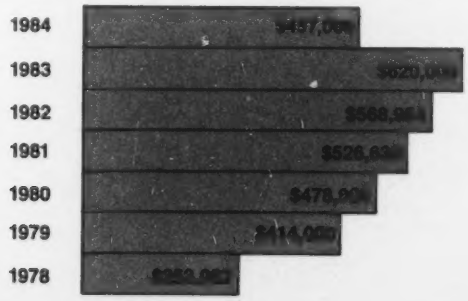
LGS Exploration Inc.
Lincoln Rock Corp.
Linmar Energy Corp.
The Louisiana Land and Exploration Co.
Mack Oil Co.
Marathon Oil Co.
Marshall Oil
May Petroleum Inc.
McCormick Oil and Gas Co.
McMoRan Exploration Co.
McMoRan-Freeport Oil Co.
Mobil Oil Corp.
Monsanto Oil Co.
Moore McCormack Energy Inc.
Moran Exploration Inc.
Mosbacher Production Co.
Myco Industries
Napeco Inc.
c. Nareco Corp.
Navajo Drilling
Newport Petroleums Inc.
Nova Petroleum Corp.
O I L Energy
Oxley Petroleum
Patrick Petroleum Co.
PCX Corp.
Pel-Tex Oil Co. Inc.
Pelto Oil Co.
Pennzoil Exploration and Production Co.
Phillips Petroleum Co.
Placid Oil Co.
Pogo Production Co.
Quintana Petroleum Corp.
C. Louis Renaud
Rio Bravo Oil Co.
RK Petroleum Corp.
Rosewood Resources
Rosson-Layman
Rutherford Oil Corp.
Samedan Oil Corp.
Sandefer Oil & Gas Inc.
Sanguine Ltd.
Santa Fe Energy Co.
Santa Fe Minerals Inc.
Santa Fe-Andover Oil Co.
Scandrill Oil
Seneca Resources Corp.
Shell Oil Co.
Donald C. Slawson Oil Producer
Sohio Petroleum Co.
Sonat Exploration Co.
Southland Royalty Co.
Southport Exploration Inc.
Spartan Petroleum Corp.
Staley Oil Co.
The Stone Petroleum Corp.
Sun Exploration & Production Co.
Superior Oil
Tee Operating Co.
Tenneco Oil Co.
Terra Resources Inc.
Texaco Inc.
Texas Crude Oil Inc.
Texas Gas Exploration Corp.
Texas West Oil & Gas Corp.
Texoma Production
Toce Oil Co. Inc.
Tomlinson Oil Co. Inc.
Transco Exploration Corp.
Trigg Drilling Co.
True Oil Co.
TXO Production Corp.
Unocal
W.W.F. Oil Corp.
Wagner & Brown
Ward Petroleum Corp.
Westland Oil Development Corp.
Williams Exploration Co.
C. W. Williams
Woods Petroleum Corp.
Yates Petroleum Corp.

TRACTORS

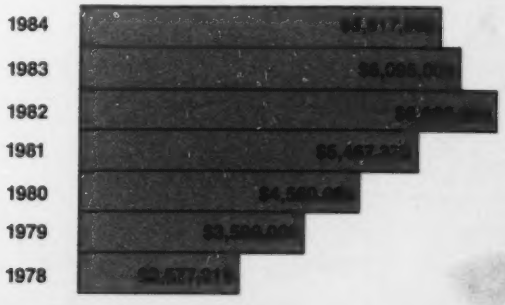
contractors
ting companies)
l's 1984 deep well survey.

averick Drilling Co. Inc.
ontgomery Drilling Co.
oran Brothers Inc.
W. Moran Drilling Co. Inc.
urco Drilling Corp.
avajo Drilling Co.
H. Neely
chols Drilling Corp.
cklos Drilling Co.
cor Drilling Co.
ble Drilling Corp.
rdrill International Inc.
wotny & Conley Drilling
ean Drilling & Exploration
eok Drilling Co.
rker Drilling Co.
rker Well Service Inc.
Penrod Drilling Co.
Petro-Tex Drilling Co.
Pilgrim Drilling
Pool Arctic Alaska
Portal Drilling
PRC Drilling Co.
Pruet Ram Co.
Quarles Drilling Corp.
Ratliff Drilling Co.
Reliant Drilling Co.
Resource Drilling Inc.
Richards Drilling Co.
Richards-Armstrong Inc.
Rio Grande Drilling Co.
Rowan Drilling–U.S.
Rowan Drilling International
Salen Offshore Co.
Santa Fe Drilling Co.
Sedco Inc.
Sharp Drilling Co. Inc.
Shelby Drilling
Shell Oil Co.
Sonat Offshore Drilling Inc.
South Texas Drilling & Exploration Inc.
Stamper Drilling
Standard Drilling & Well Service
Sun Drilling
Teledyne Movible Offshore Inc.
Temple Drilling Co.
Tesoro Drilling Co.
Texaco Inc.
TransAmerica Drilling Co. Inc.
Transcontinental Drilling Co.
Transworld Drilling Co.
Tri-Service Drilling Co.
Trigg Drilling Co.
Two "R" Drilling Co. Inc.
U. S. Drilling
Unit Drilling & Exploration Co.
WellTech Inc.
Westburne Drilling Inc.
Western Drilling Co.
Western Oceanic Inc.
Wheless Drilling Co.
Willbros Drilling Inc.
Wilson Brothers Drilling Co.
Fred Wilson Drilling Co. Inc.
Zapata Off-Shore Co.

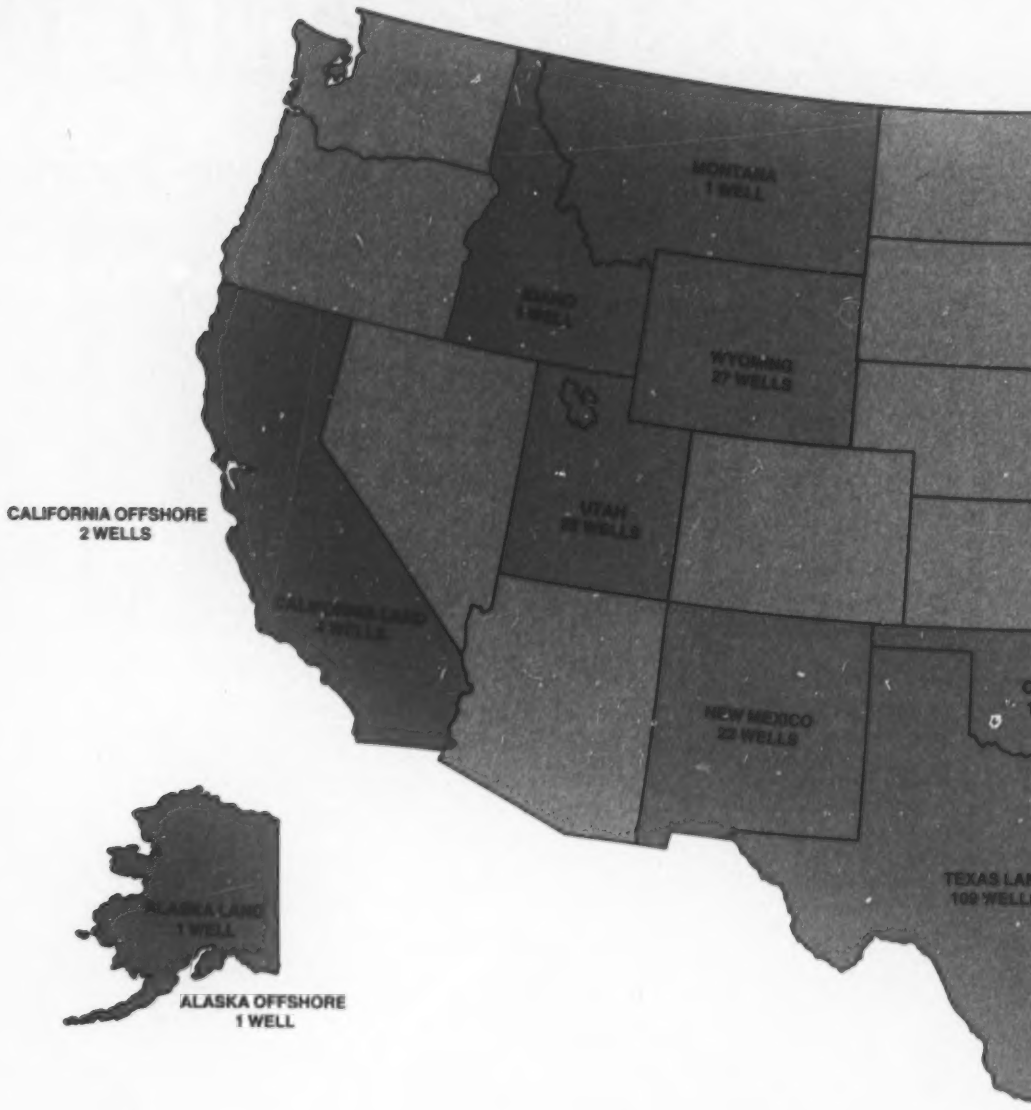
W — AVERAGE MUD COST PER WELL



AVERAGE COST PER WELL



1984 U.S. deep drilli



MONTANA
1 well
Depth 17,774
Cost $10,000,000
Mud $500,000
Tubulars NR
Bits 106

CALIFORNIA OFFSHORE
2 wells
Avg. depth 17,713
Avg. cost $7,600,000
Avg. mud $400,000
Avg. tubulars $900,000
Avg. bits 21

ALASKA OFFSHORE
1 well
Depth 16,400
Cost $66,930,000
Mud $1,291,000
Tubulars $2,180,000
Bits 45

TEXAS OFFSHORE
22 wells
Avg. depth 16,197
Avg. cost $11,076,000
Avg. mud $749,000
Avg. tubulars $1,804,000
Avg. bits 39

LOUISIANA OFFSH
70 wells
Avg. depth 16,404
Avg. cost $8,380,000
Avg. mud $691,000
Avg. tubulars $1,425,00
Avg. bits 32

IDAHO
1 well
Depth 15,272
Cost $4,145,000
Mud $305,000
Tubulars $286,000
Bits 63

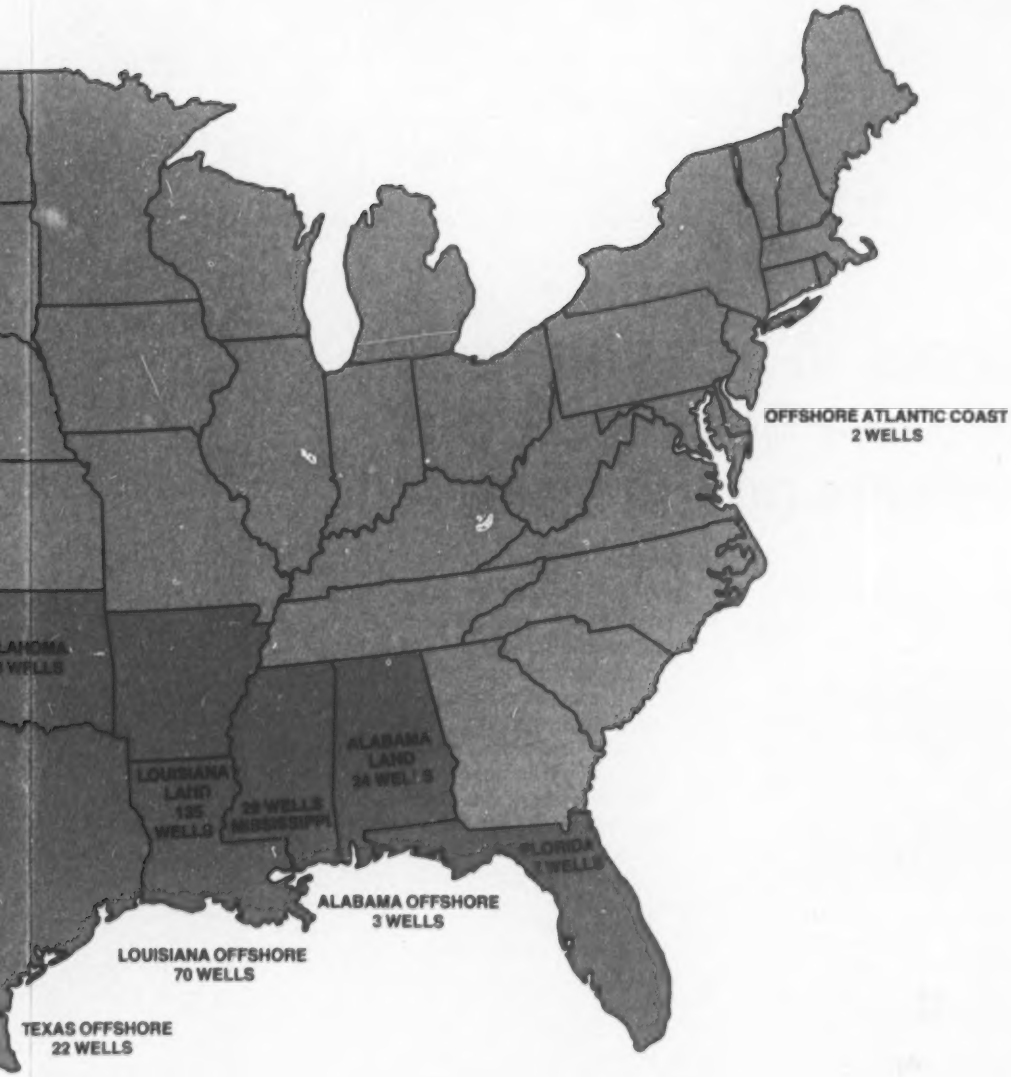
CALIFORNIA LAND
4 wells
Avg. depth 15,851
Avg. cost $6,703,000
Avg. mud $810,000
Avg. tubulars $590,000
Avg. bits 67

ALASKA LAND
1 well
Depth 18,009
Cost $8,945,000
Mud $763,000
Tubulars $1,964,000
Bits 36

TEXAS LAND
109 wells
Avg. depth 17,238
Avg. cost $5,392,000
Avg. mud $503,000
Avg. tubulars $1,359,000
Avg. bits 36

LOUISIANA LAND
135 wells
Avg. depth 16,493
Avg. cost $3,671,000
Avg. mud $364,000
Avg. tubulars $901,000
Avg. bits 25

ng 614 deep wells



RE ALABAMA OFFSHORE
3 wells
Avg. depth 21,719
Avg. cost $20,950
Avg. mud $710,000
Avg. tubulars $3,356,000
Avg. bits 45

OFFSHORE ATLANTIC COAST
2 wells
Avg. depth 16,870
Avg. cost $1,793,000
Avg. mud $335,000
Avg. tubulars $1,600,000
Avg. bits 24

UTAH
25 wells
Avg. depth 16,085
Avg. cost $5,002,000
Avg. mud $415,000
Avg. tubulars $647,000
Avg. bits 68

WYOMING
27 wells
Avg. depth 15,990
Avg. cost $7,538,000
Avg. mud $561,000
Avg. tubulars $1,151,000
Avg. bits 72

ALABAMA LAND
24 wells
Avg. depth 16,278
Avg. cost $2,212,000
Avg. mud $157,000
Avg. tubulars $441,000
Avg. bits 18

FLORIDA
7 wells
Avg. depth 16,383
Avg. cost $5,661,000
Avg. mud $113,000
Avg. tubulars $925,000
Avg. bits 19

NEW MEXICO
22 wells
Avg. depth 15,554
Avg. cost $2,453,000
Avg. mud $209,000
Avg. tubulars $657,000
Avg. bits 19

OKLAHOMA
128 wells
Avg. depth 17,121
Avg. cost $3,987,000
Avg. mud $362,000
Avg. tubulars $1,256,000
Avg. bits 32

MISSISSIPPI
29 wells
Avg. depth 17,420
Avg. cost $4,832,000
Avg. mud $324,000
Avg. tubulars $1,339,000
Avg. bits 33

1-32

Wells completed 15,000 ft and below by years of completion

Year	No. of wells	Explor-atory	Total producers	Average bits/well	Mud costs average	Well costs average	Average cost/ft	Total footage drilled	Average ft/well	New records: Deepest well	New records: Deepest producer
1938	1	1	1	–	–	–	–	15,004	–	15,004	13,175
1944	1	1	0	–	–	–	–	15,279	–	15,279	–
1945	3	3	0	222	–	–	–	47,245	15,748	16,655	–
1946	1	1	1	–	–	–	–	15,452	–	–	–
1947	8	8	1	181	$ 24,000	$ 570,000	$ 35.87	127,128	15,891	17,823	13,904
1948	7	6	2	303	28,000	551,000	34.34	112,329	16,047	–	14,255
1949	11	8	5	199	64,000	534,000	32.52	180,631	16,421	20,521	15,530
1950	5	2	3	181	63,000	557,000	36.72	78,565	15,713	–	–
1951	12	5	6	116	54,000	527,000	33.56	189,864	15,822	–	–
1952	25	17	9	138	66,000	549,000	34.77	396,850	15,874	–	16,012
1953	25	14	20	159	75,000	729,000	44.79	402,936	16,177	21,482	17,895
1954	56	30	31	117	92,000	651,000	40.87	892,021	15,929	–	–
1955	80	63	43	87	116,000	649,000	40.09	1,276,560	15,957	22,559	–
1956	155	77	78	89	122,000	683,000	42.18	2,510,050	15,988	–	20,745
1957	185	114	89	89	121,000	743,000	46.25	2,987,841	16,064	–	–
1958	197	136	100	79	107,000	692,000	43.18	3,171,762	16,019	–	–
1959	228	142	119	71	83,000	650,000	40.48	3,660,857	16,056	25,340	–
1960	242	134	136	66	86,000	675,000	42.50	3,858,622	15,945	–	–
1961	243	84	153	63	81,000	614,000	38.07	3,918,324	16,124	–	–
1962	254	74	130	63	92,000	654,000	38.00	4,414,300	17,000	–	–
1963	271	96	128	52	97,246	696,000	42.85	4,401,363	16,241	–	21,410
1964	308	141	150	51	95,507	653,256	39.33	5,115,938	16,610	–	21,793
1965	330	117	156	59	90,160	610,784	36.50	5,522,541	16,735	–	22,098
1966	388	130	149	71	84,007	727,996	42.20	6,693,785	17,252	–	22,483
1967	402	142	192	67	96,375	762,676	45.29	6,769,371	16,839	–	–
1968	406	150	194	65	100,305	889,991	52.13	6,931,232	17,072	–	22,790
1969	389	116	206	54	101,529	866,349	50.91	6,619,216	17,016	–	–
1970	381	168	189	54	117,874	999,343	57.87	6,579,870	17,270	25,600	–
1971	417	149	210	60	146,049	949,959	54.81	7,227,444	17,332	–	–
1972	506	230	290	44	103,507	919,484	54.21	8,583,278	16,963	30,050	22,548
1973	506	213	272	38	122,067	1,107,059	63.58	8,810,918	17,413	–	–
1974	446	220	258	37	168,426	1,456,522	84.08	7,726,058	17,323	31,441*	–
1975	410	191	190	37	197,279	1,901,017	109.80	7,098,330	17,313	–	–
1976	439	186	255	33	214,276	2,112,509	121.98	7,603,041	17,319	–	–
1977	476	233	233	30	221,490	2,205,954	127.58	8,230,040	17,290	–	26,566**
1978	604	306	288	29	253,082	2,577,216	150.60	10,352,560	17,140	–	–
1979	621	248	279	30	414,000	3,599,000	208.68	10,709,644	17,246	–	–
1980	859	433	462	32	478,906	4,560,090	265.47	14,755,480	17,178	–	–
1981	1,066	530	598	35	526,638	5,467,372	313.01	18,243,075	17,114	–	–
1982	1,205	536	600	37	568,954	6,636,988	382.45	20,911,440	17,354	–	–
1983	577	255	301	32	620,000	6,095,000	353.40	9,794,007	16,974	–	–
1984	**614**	**345**	**288**	**35**	**$457,000**	**$5,817,000**	**$348.00**	**10,270,547**	**16,727**	–	–

*This is the all-time record depth hole, completed in Oklahoma's Anadarko Basin in May 1974 by Lone Star Producing Co.
**Chevron USA established the record depth production mark in 1977 with completion of No. 1 Ledbetter in Wheeler County, Texas. Gage was 2,500,000 cfd from the Arbuckle at 23,427-26,518 ft.

Mobile Bay wells. Two of the three wells drilled in the Bay last year were successful, however. And all of them were wildcats.

Onshore, except for a well in the Tuscaloosa area, Alabama deep drillers opted to do most of their work in southwestern counties surrounding Mobile. Wells there were much more economical than they were offshore last year, at just over $2.2 million apiece.

All of Wyoming's wells were onshore, of course, and 70% of them were successful. At almost 1,600-ft shallower average depth than in 1983, Wyoming's 1984 deep wells cost an average of just over $7.5 million to drill and complete. That represents a $2-million-per-well improvement for the year.

Wyoming drillers are exploring the deep Overthrust Belt that also extends into Utah, which finished the year in seventh place among deep drilling states. Utah's 25 deep wells were successful 64% of the time. Not counting wildcats, the success rate was 94%.

The 1984 total of 25 deep wells is the highest for Utah since 1974.

Deep drillers in New Mexico, who are exploring the western end of the Anadarko Basin, reported 22 deep completions during 1984. They cost an average of $2.4 million apiece, which is about what they cost in that state in 1983. The 54% success rate attained last year is pretty good, but not as good as 1983's 85% rate. Wildcatting continues to be profitable in New Mexico, with four out of seven exploratory wells completed as producers there during 1984. ■

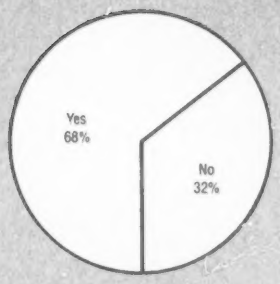
Note: PETROLEUM ENGINEER INTERNATIONAL has been analyzing deep drilling in the U.S. annually since 1944. Base data are acquired from various industry sources, including contract drilling companies and Petroleum Information Corp., Denver, Colo. Operating companies confirm the wells, and, through a special arrangement, provide us with cost data on a confidential basis. Laura Jacobus compiled the data for this report, which was written by Rich McNally.

Operators Remain Optimistic About Deep Wells

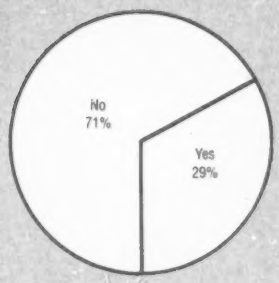
In a followup to the Deep Well Report, PEI editors surveyed the same operators to see how they perceive the current deep well situation. The results show that operators are somewhat optimistic about deep drilling activity in the coming year, but are concerned with persistent technical problems.

An encouraging note drawn from the survey was the limited amount of deep gas production capability currently shut in. Approximately 75% of the operators responding to the survey said that less than 25% of their gas production capabilities below 15,000 ft were shut-in presently. The survey also found that operators expect the situation to be better next year. Only 3% of the operators surveyed said they had more than 75% of their deep gas production capabilities shut in.

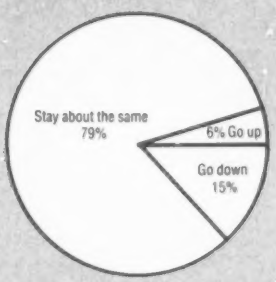
Nearly 25% of the responding operators said that they abandoned at least one producing deep well last year. The main reason was reservoir depletion. As far as well servicing is concerned, 46% of the operators said that the duration between servicing jobs for wells deeper than 15,000 ft was greater than 2 years. According to the survey, only 4% of the operators serviced their deep wells twice a year.



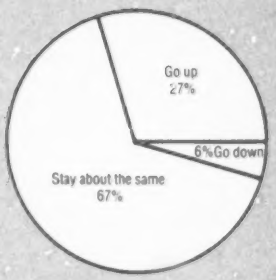
Do you plan to spud as many or more wells targeted to between 15,000 and 20,000 ft in 1985 than you did in 1984?



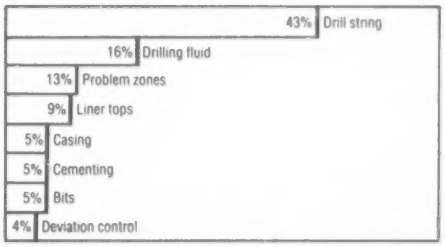
Do you plan to spud as many or more wells targeted to below 20,000 ft in 1985 than you did in 1984?



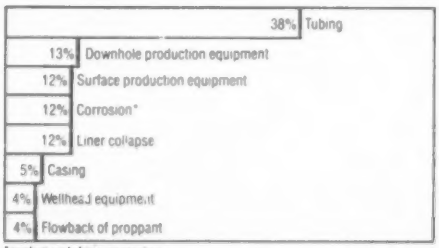
What do you expect rig rates for deep wells to do in 1985?



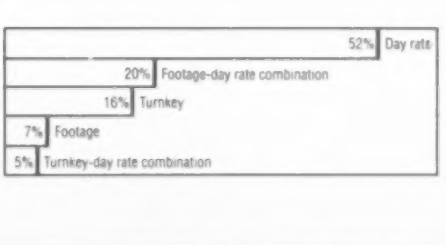
What do you expect overall drilling costs for deep wells to do in 1985?



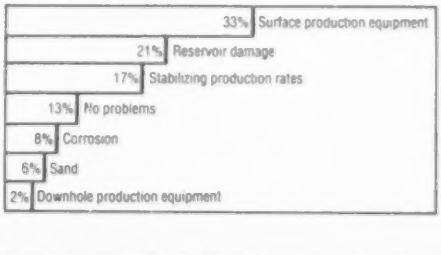
What is the biggest deep well drilling problem?



What is the biggest deep well production problem?



What type of rig contract were you using for drilling to targets below 15,000 ft in 1984?



What is the biggest problem in bringing a deep shut-in well back on stream?

Drilling Costs Rose In 1984

Oil and gas well drilling costs rose in 1984, following a broad decline in 1983, according to the Department of Energy's Energy Information Administration. In its latest report, *Indexes and Estimates of Domestic Well Drilling Costs, 1983 and 1984*, EIA says that increases in composite well drilling costs in 1984 range from 3.5% for deep wells to more than 17% for very shallow wells.

EIA says that the most popular depth for onshore oil wells in the U.S. during 1983 was 3,750 ft. And the 1983 cost for such a well is put at $130,000, which is 17.7% lower than $159,000 – the average cost reported for 1982. The 1984 cost, however, rose by 17.4%, giving a 2-year change of −3.4%, or a 1984 cost of $154,000.

For all oil wells in all depth brackets covered by the EIA report, the highest projected 2-year cost decrease (3.7%) is indicated for the 7,500-ft depth.

In the group of most active depths in each of 13 geographical drilling areas, estimated changes in oil-well drilling costs for 1983 vary from a decrease of 33.6% for 3,750-ft wells in the Mid-Continent area to an increase of 4.3% for 7,500-ft wells in the Southeastern area.

In 1984, the cost changes ranged from an increase of 3% for 12,500-ft wells in the South Louisiana area to an increase of 27.4% for 3,750-ft oil wells in the Mid-Continent.

Regarding gas wells, EIA says that the 7,500-ft depth bracket was the most popular during 1983. Average 1982 drilling costs were $478,000 per well at this interval, with a projected decrease of 12.8% in 1983 and a 10.3% increase in 1984. This would put the average 1984 cost at $460,000 for a 7,500-ft well.

TABLE 1. Composite U.S. drilling costs and indexes by depth for the onshore lower-48 states

Depth, ft	1982 Index (1976 = 100)	1983 Index (1976 = 100)	1983 Annual change, %	1984 Index (1976 = 100)	1984 Annual change, %	1984 Cost, $
1,250	163.1	134.3	−17.7	157.7	17.4	40,000
2,500	162.0	138.4	−14.6	157.9	14.1	84,000
3,750	163.9	135.4	−17.4	158.8	17.3	130,000
5,000	173.2	150.0	−13.4	166.1	10.8	196,000
7,500	175.2	152.9	−12.7	169.0	10.5	413,000
10,000	177.3	159.1	−10.3	173.3	8.9	813,000
12,500	177.4	159.1	−10.3	173.4	9.0	1,460,000
15,000	181.4	169.5	−6.6	175.5	3.5	2,529,000
17,500	181.7	169.7	−6.6	175.7	3.5	4,127,000

In the group of most active drilling depths in 1983 by area, gas well drilling cost changes for 1983 varied from a low of −30.3% in the Mid-Continent area for 10,000-ft wells to a high of 1.7% for 3,750-ft wells in the Southeastern area. For 1984, the projections range from an annual increase of 0.1% in the Western area for 7,500-ft wells to an increase of 23.9% for 10,000-ft wells in the Mid-Continent.

Gas well drilling cost indexes (1976 = 100) for all depths, in all areas, for 1984 are said to vary from a low of 143.4 for 2,500-ft wells in the Ark-La-Tex area to a high of 189.2 for 112,500-ft gas wells in the Rocky Mountains. The 2-year change in costs ranged from −15.8% for 15,000-ft wells in the Mid-Continent to 11.5% for 12,500-ft wells in the Rocky Mountains.

Dry hole drilling reportedly occurred most often for the 3,750-ft depth during 1983. The national average drilling cost for this depth in 1982 was $100,000, and EIA's projected national average annual changes for this depth were −13.4% during 1983 and 10.7% for 1984. The average cost last year for a dry hole at that depth, therefore, comes to about $96,000.

Changing dry hole costs for 1983 ranged from a decline of 0.3% for 3,750-ft holes in the Ark-La-Tex area to a 29.6% drop for 7,500-ft holes in the Mid-Continent. Cost changes projected for 1984 range from no change for 3,750-ft holes in the Ark-La-Tex area to a 19.9% increase for 7,500-ft dry holes in the Mid-Continent.

The most active depth bracket for all onshore drilling in the U.S. is between 2,500 and 4,999 ft, which is represented by the 3,750-ft depth in the EIA report. The agency's projected 1984 index (1976 = 100) for these wells is 158.8 (17.3% higher than the costs projected for 1983). The highest 1984 index (190.9) is projected for 2,500-ft wells in West Texas.

Annual cost changes for 1983 varied from −32.8% for all 3,750-ft wells in the Mid-Continent to 13.4% for 17,500-ft wells in the Southeast. Annual increases for 1984 vary from 0.4% for 17,500-ft wells in South Texas to 32.3% for 2,500-ft wells in the Mid-Continent.

Seismic Count Down In December

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters last December decreased by 27 from the November total. The prevailing reason, according to the Society of Exploration Geophysicists, was weather.

The December total (466) represents decreases of 5% from the previous month and from December of 1983. It is, however, a gain of 30% from the same month in 1978.

Etosha Extends Namibia Concession

Etosha Petroleum Pty. (Ltd) has signed a continuation of its 64-million-acre oil and gas concession in northern Namibia (South West Africa). The concession, which includes the Etosha Basin, was to have expired this June, but now will be extended for another 7 years.

Etosha, a subsidiary of Brilund Ltd., has exclusive prospecting rights in the concession area, in which an initial test well must be drilled by June 30, 1987.

Husky Discovery Offshore Newfoundland

Husky Oil Operations Ltd. struck gas, condensate, and oil with its Whiterose N-22 well on the Grand Banks, offshore Newfoundland.

Drilled to total depth of 15,184 ft, the well tested oil from two zones, at 11,696-719 ft and 11,621-60 ft. Gas was present in all five zones tested, and two of the zones contained condensate.

Combined amount of oil tested was 908 b/d. Gas tests turned up 666 MMcfd, and condensate amounted to 838 b/d.

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WORLD RIG LOCATOR

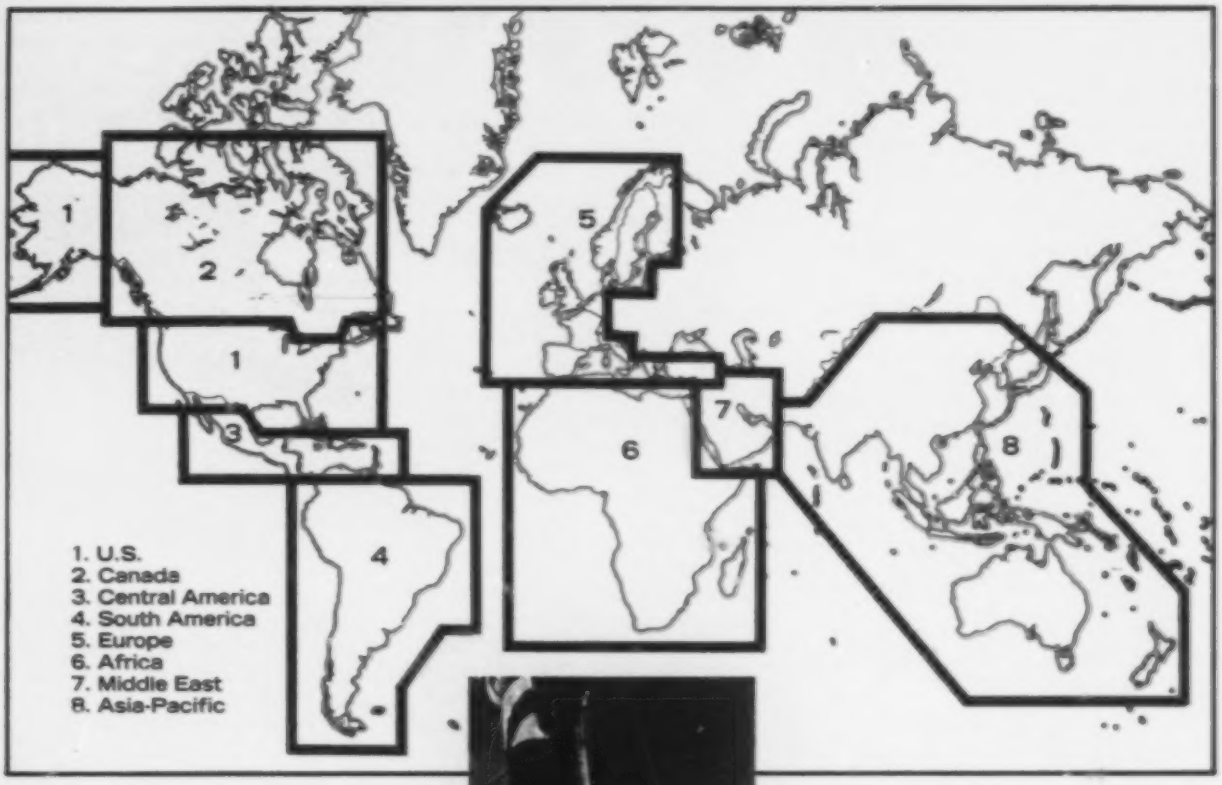

Table of Contents

Drilling Contractors R-5

Drawworks Manufacturers Abbreviations R-9

U.S. Contract Rotary Land Drilling Rigs R-10

International Contract Rotary Land Drilling Rigs R-28

U.S. and International Contract Offshore Drilling Rigs R-33

Linda Hietala
Offshore Rig Locator Coordinator

Corinna Betterman
Land Rig Locator Coordinator

(Photo courtesy of Loffland Brothers Co.)

For over a quarter century, drilling contractors have given this magazine rig locator data, providing operators who let contracts with mechanical specifications and locations of contract rotary rigs throughout the world. Since the World Rig Locator's 1955 origin, other organizations periodically attempt similar concepts, while others shuffle and republish PEI rig locator data. This World Rig Locator, detailing 4,365 land rigs, 984 offshore rigs, and 573 drilling contractors, is the most complete presentation of contract drilling rigs published.

US and International Drilling Contractors

A

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ACT DRILLING CO PO Box 890 Yukon OK 73099 405-354-7751
ADECO DRILLING & ENGRG CO 900 Sixth Ave SW 6900 Calgary AB T2P 0V5 Canada 403-266-8291
AGUILA DRILLING CO 3626 N Hall St Dallas TX 75219 214-521-0021
AIKINS DRILLING CO 101 10th Ave N Shelby MT 59474 406-434-2560
ALANCO DRILLING CO PO Box 1970 Alice TX 78333 512-664-2368
ALASKA UNITED DRILLING INC 5141 Fairbanks St Anchorage AK 99502 907-561-1265
ALDEBARAN DRILLING CO 453 S Webb Rd PO Box 19811 Wichita KS 67218 316-685-5372
ALEXANDER DRILLING INC PO Box E 982 Fort Smith AR 72906 918-426-2491
ALLEN DRILLING CO 1106 Walnut PO Box 1389 Great Bend KS 67530 316-793-5681, 3562, 3583
ALLISON BROS DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
ALLISON DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
ALL WESTERN DRILLING INC PO Box 1518 Vernal UT 84078 801-789-4581
AMERICAN WELL SERVICE & DRILLING PO Box 53369 Lafayette LA 70505 318-837-1852
AMERICAN WESTERN ENERGY CORP 14 Sky Ranch Road Aurora CO 80011 303-360-0944
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ARROWHEAD DRILLING LTD 710 999 Eighth St SW Calgary AB T2R 1J5 Canada 403-245-2917
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ATCO DRILLING INC 3525 S Tamarac Ste 110 Denver CO 80237 303-770-2490
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JAMES BIGARD DRILLING CO 1315 N Mission Rd PO Box 509 Mt Pleasant MI 48858 517-772-5955
BIG CHIEF DRILLING CO PO Box 14837 Oklahoma City OK 73113 405-843-5721
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C

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COMPANIA NAVIERA PEREZ COMPANC SACFIMFA Malpu 1 1599 Buenos Aires Argentina 33-8393/7 Telex 17211 PECOM AR
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COSIFOR 90 Avenue des Ternes 75017 Paris France (1) 574 35 79
COTHRUM DRILLING CO PO Box 18207 Dallas TX 75218 214-321-9115
CRC MALLARD INC PO Drawer 51496 OCS Lafayette LA 70505 318-233-4922
CRESCENT DRILLING CO Calhoun Rd PO Box 626 Owensboro KY 42301 502-926-4656
CROWN DRILLING LTD PO Box 1300 Trans-Canada Hwy Virden MB R0M 2C0 Canada 204-748-1714
CULVER DRILLING CO PO Box 75382 Oklahoma City OK 73147 405-324-6000
CYCLONE DRILLING INC PO Box 908 Gillette WY 82716 307-682-4161

D

DAHLQUIST DRILLING INC PO Box 602 Bakersfield CA 93302 805-327-1275
DAMAC DRILLING INC PO Box 1164 Great Bend KS 67530 316-792-1353
D & D DRILLING CO PO Box 351 Ferriday LA 71334 318-757-3274
D & R DRILLING INC PO Box 4431 Odessa TX 79760 915-563-3550
D L DAVIS DRILLING CO PO Box 570 Rte 1 N Mt Carmel IL 62863 618-263-4316
D B DRILLING CORP PO Box 3037 Abilene TX 79604 915-672-2841
DEAN DRILLING CO PO Box 327 Cherokee OK 73728 405-596-3509
DELTA DRILLING CO PO Box 2012 Tyler TX 75710 214-595-7700
DEUTSCHE TIEFBOHR AG Deilmannstr 1 PO Box 75 4444 Bad Bentheim West Germany 5922-720
DEVONIAN DRILLING CO 500 W Wilson Bridge Rd Ste 70 Worthington OH 43085 614-885-2268
DIAMOND M CO PO Box 4558 Houston TX 77210 713-490-5300
DIATOM DRILLING CO PO Box 5004 Borger TX 79008-5004 806-273-3763
DIXILYN-FIELD DRILLING CO PO Box 4251 Houston TX 77210 713-877-8850
DIXON DRILLING CO PO Box 2773 Abilene TX 79604 915-676-8564
DOLPHIN TITAN INTL INC 333 Clay St Ste 2600 Houston TX 77002 713-659-2381
DOUGLAS DRILLING INC PO Box 3775 Abilene TX 79604 915-676-5551
DRILCON INC 9099 Westheimer Ste 309 Houston TX 77063 713-780-8772
DRILLERS INC Paragon Center One 450 Gears Rd Ste 625 Houston TX 77067 713-874-0202
DUAL DRILLING CO 5956 Sherry Lane Ste 700 Dallas TX 75381 214-373-6200
DYVI OFFSHORE A/S PO Box 454 Sentrum Oslo 1 Norway (02) 410100

E

EAGLE DRILLING INC PO Box 8609 Wichita KS 67208 316-682-5513
E & H DRILLING CO PO Box 1058 Graham TX 76046 817-549-0370
EASON OIL CO Sub of ITT 2601 NW Expwy Oil Center East Ste 1100E Oklahoma City OK 73102 405-848-8711
EDCO DRILLING CO PO Box 645 El Dorado KS 67042 316-321-9280
EGYPTIAN DRILLING CO Dr Moustafa Abou Zahra St PO Box 8071-11371 Nasr City Cairo Egypt 600-230 (927) 92667 EDRLG UN
ELENBURG EXPLORATION INC 7075 Salt Creek Rte PO Box 707 Casper WY 82602 307-235-8609
ELJAY DRILLING CORP 11757 Katy Fwy Ste 850 Houston TX 77079 713-932-6771
ENERGY DRILLING CO PO Box 905 Natchez MS 39120 601-446-5259
ENERGY SEARCH DRILLING CO PO Box 190 Farmington NM 87401 505-326-1135
ENOPCO 12201 Merit Dr Ste 1100 Dallas TX 75251 214-387-2805
ENSIGN DRILLING LTD 5101 48th St PO Box 1180 Lloydminster AB S9V 1G1 Canada 403-875-4942
EQUITY DRILLING CO PO Box 40 Dewey OK 74029 918-534-1700
ESCOR 4273 Corporate Way Mt Pleasant MI 48858 517-773-4922
EXETER DRILLING CO 210 W Park Ave Ste 2670 First Oklahoma Tower Oklahoma City OK 73102 405-235-9969
EXETER DRILLING CO Northern Division PO Box 17349 TA Denver CO 80217 303-861-0181
EXETER DRILLING CO INC Southern Division 144 Elk Place Ste 1502 New Orleans LA 70112 504-581-1498

F

FAIRMAN DRILLING CO PO Box 288 Dubois PA 15801 814-371-8410
FAITH DRILLING CO PO Box 7 Houston TX 77001 713-524-7411
FALCON DRILLING CO 1700 SE 22 Second St Oklahoma City OK 73129 405-670-3161
F & N DRILLING CO PO Box 6854 Odessa TX 79762 915-367-1028
FELDERHOFF BROS DRILLING CO PO Box 739 Gainesville TN 76240 817-665-0396
FLUOR DRILLING SERVICES INC 3333 Michelson Dr Irvine CA 92730 714-975-7034
FLUOR DRILLING SERVICES INC 144 Elk Pl #1010 New Orleans LA 70112 504-581-5333
FORAMER 16 Bis Rue Grange Dame Rose PO Box 100 78143 Velizy Villacoublay Cedex France (3) 946.97.17
FORASOL 16 Bis Rue Grange Dame Rose PO Box 100 78143 Velizy Villacoublay Cedex France (333) 946-9717
FOREX NEPTUNE AND/OR AFFILIATES 50 Ave Jean-Jaures PO Box 599 92542 Montrouge Cedex France 746.60.60
FORWEST INC 910 16th St Ste 408 Denver CO 80202 303-573-1661
FOSSIL DRILLING CORP 6 NE 63rd Ste 315 Oklahoma City OK 73105-1496 405-840-9255
FOUR CORNERS DRILLING CO PO Box 1067 Farmington NM 87401 505-327-0322
FREEMAN DRILLING CO 251 N Water Ste 10 Wichita KS 67202 316-263-7049
FRIO DRILLING CO 1216 Guaranty Bank Plaza Corpus Christi TX 78475 512-883-8555
FWA DRILLING CO PO Box 419 Wichita Falls TX 76307 817-322-0761

G

GABBERT-JONES INC 830 Sutton Place Wichita KS 67202 316-263-6209
GALLAGHER DRILLING INC PO Box 3046 Evansville IN 47730 812-425-8256
GALLOWAY DRILLING CO 340 Broadway Plaza Bldg 105 S Broadway Wichita KS 67202 316-263-1793
GARY DRILLING CO 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
GCO DRILLING CO PO Box 3134 Abilene TX 79604 915-695-9410
GEOPROSCO INTL LTD PO Box 938 Abu Dhabi United Arab Emirates 0534 35521
GIBSON DRILLING CO PO Box 1540 Kilgore TX 75662 214-984-5068
J W GIBSON WELL SERVICE CO 3025 S Parker Rd Ste 711 Aurora CO 80014 303-752-2527
GLENDEL DRILLING CO 2761 Old Erath Rd PO Box 765 Abbeville LA 70511-0765 318-898-1637
GLOBAL MARINE DRILLING CO PO Box 4379 550 Westlake Park Blvd Houston TX 77210 713-496-8000
GLOBE DRILLING CO 1212 Interfirst Tower Tyler TX 75702 214-593-0281
GOLAR-NOR OFFSHORE A/S 105 Victoria St London SW1 6QT England 01 630 1515
GOLDEN STATE DRILLING INC 3312 Fruitvale Ave Bakersfield CA 93308 805-589-0730
GOLDRUS DRILLING CO PO Box 4394 Houston TX 77210 713-658-9271
GOLDRUS MARINE DRILLING CO PO Box 4394 Houston TX 77210 713-759-6337
GRACE BOMAC DRILLING 10403 W Colfax Ste 700 Lakewood CO 80215 303-234-1444
GRACE FRANCE DRILLING Div Grace Drilling Co 700 Travis Place Shreveport LA 71101 318-221-3434
GRACE MILLER DRILLING Rte 5 Box 450 Fort Smith AR 72901 501-646-3481
GRACE SABRE DRILLING 3300 NE 60 Oklahoma City OK 73121 405-478-1757
GRACE TRG DRILLING CO 3300 NE 60th St Oklahoma City OK 73121 405-478-4880
GRAND DRILLING 920 Hamilton Bldg Wichita Falls TX 76301 817-723-2422
GRAVES DRILLING CO 910 Union Center Wichita KS 67202 316-265-7233
GREAT EASTERN DRILLING & ENGINEERING CO 1904 Shaw Centre 1-Scotts Rd Singapore 0922 7377633
GREAT SOUTHERN OIL & GAS CO PO Box 52707 Lafayette LA 70505 318-233-4400
GREY WOLF DRILLING CO 2000 Post Oak Blvd Ste 1730 Houston TX 77056 713-626-1373
GRIFFIN-ALEXANDER DRILLING CO 13430 Northwest Fwy Ste 100 Houston TX 77040 713-460-1804
GUFFEY-SCHLENSKER DRILLING CORP PO Box 831330 Richardson TX 75083-1330 214-231-8551
GUTHRIE McLAREN DRILLING LTD 1760 717 Seventh Ave SW Calgary AB Canada 403-455-3191
GWALTNEY DRILLING CO PO Box 520 Washington IN 47501 812-254-5085

H

HACK DRILLING CO PO Box 5108 Abilene TX 79608 915-692-4111
H & S DRILLING CO 320 S Boston Ste 2000 Tulsa OK 74103 918-587-8163
HANING & YOUNG DRILLING CO 2910 Holmes Rd Houston TX 77051 713-734-5555
HARKINS & CO PO Box 1940 Alice TX 78332 512-664-3427
HARPEL DRILLING CO PO Box 2811 Casper WY 82602 307-265-9193
HARRIS DRILLING CO Box 99 Hwy 15 Grayville IL 62844 618-375-2211
HARRIS WELL SERVICE INC PO Drawer 949 Eunice LA 70535 318-457-3376
HEARTLAND DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-9723
HELMERICH & PAYNE CA Apartado 18 Anzoategui Venezuela 22691
HELMERICH & PAYNE (COLOMBIA) DRLG CO Apartado Aereo Bogota Colombia 55085 2484249 396-43370 HPCOM CO
HELMERICH & PAYNE DEL ECUADOR INC Avenida Orellana 1682 Quito Ecuador 233-410
HELMERICH & PAYNE (GUATEMALA) DRLG CO 15 Avenida 16-66 Zone 13 Guatemala City Guatemala 66008
HELMERICH & PAYNE INTL DRILLING Utica at 21st St Tulsa OK 74114 918-742-5531
HELMERICH & PAYNE RASCO INC Bolivia Branch KM-3 Carretera A Cochabamba Casilla 3298 Bolivia 28478
HENLEY DRILLING CO 2420 InterFirst One Bldg Dallas TX 75202 214-849-0847
HERB EXPLORATION PO Box 1934 Abilene TX 79604 915-672-1291
HICKMAN DRILLING CO PO Box 1467 Woodward OK 73801 405-256-8688
W B HINTON DRILLING CO 1805 N Jefferson St Mt Pleasant TX 72455 214-572-8777
HI TOWER DRILLING Box 6650 Station D 321 Sixth Ave SW 16th Floor Calgary AB T2P 2V8 Canada 403-231-1211
HONDO DRILLING CO PO Drawer 2516 Midland TX 79702 915-682-9401
HOULDER MARINE DRILLING LTD 53 Leadenhall St London EC3A 2BR England 01-481-2020
HOUSTON OFFSHORE INTERNATIONAL INC One West Loop South Ste 804 Houston TX 77027 713-629-1400
HOUTECH ENERGY INC 10701 Corporate Dr Ste 230 Stafford TX 77477 713-240-0116
H-30 DRILLING INC 251 N Water Ste 10 Wichita KS 67202 316-263-2043
LEONARD HUDSON DRILLING CO PO Box 1876 Pampa TX 79066-1876 806-665-1816
HUGHES DRILLING CO Box 6001 Enid OK 73702 405-234-7222
HUNNICUTT CAMP DRILLING CO PO Box 399 Rio Vista CA 94571 707-374-2425 805-327-3948
CLINT HURT & ASSOCIATES INC PO Box 1973 Midland TX 79702 915-683-6381
HUTHNANCE DRILLING CO 601 Jefferson Houston TX 77002 713-659-4816
HYLTON DRILLING CO 7700 Downing Rd Bakersfield CA 93308 805-589-2062

I

INDRIL INC 2113 Enterprise Dr PO Box 668 Mt Pleasant MI 48858
INTERNATIONAL CHANDLERS 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
INTERNATIONAL PETROLEUM SERV CO Rte 6 N PO Box 547 Sheffield PA 16347 814-968-3295

J

JADE DRILLING LTD 5825 98th St Edmonton AB T6E 3L4 Canada 403-437-2930
J & C DRILLING CO PO Box 216 Refugio TX 78377 512-526-2376
J & W DRILLING CO Rte 3 Box 19 Gorman TX 76454 817-734-2665

J (Cont'd)

JAPAN DRILLING CO LTD No 11 Mori Bldg 6-4 Toranomon 2-chome Minato-ku Tokyo Japan 03-591-7391
JAY-LAN CORP 207 W 12th St Hays KS 67601 913-628-1316
JEBSENS DRILLING PLC Greenbank Rd East Tullos Aberdeen AB1 4BQ Scotland (0024) 878218
JFP WELL SERVICE INC 14425 Torrey Chase Blvd Ste #300 Houston TX 77014 713-893-4464
J L OFFSHORE DRILLING A/S One Hammerensgade DK 1291 Copenhagen K Denmark (45) (1) 111222
JOHNN DRILLING CO PO Box 6189 Odessa TX 79762 915-563-1280
JOMAX DRILLING LTD 1700 505 Third St SW Calgary AB T2P 3A8 Canada 403-265-5312
JONES DRILLING CO PO Box 685 Albany TX 76430 915-762-3652
LOYD JONES DRILLING CO PO Box 816 Perryton TX 79070 806-435-6871
JONES DRILLING CORP PO Box 1195 Duncan OK 73533 405-255-1191
J 3 DRILLING CO 1720 600 Bldg Corpus Christi TX 78473 512-881-9773
JUSTISS OIL CO PO Drawer N Jena LA 71342 318-992-4111
J-V DRILLING CO 4445 Commerce St Evansville IN 47710 812-424-3571
J W DRILLING CO 200 E First St Ste 500 Wichita KS 67202 316-263-5924

K

KANSAS DRILLING & WELL SERV INC 203 S Third Marion KS 66861 316-382-3734
KAY DRILLING CO PO Box 1622 Ponca City OK 74602 405-765-2406
K B DRILLING & PRODUCTION INC PO Box 1244 Taft CA 93268 805-763-5106
KCA DRILLING LTD KCA House 227 Shepherds Bush Rd London W6 7AS England 01-741-4811
KELLEY ONSHORE DRILLING CO 9207 Emmott Ste 105 Houston TX 77040 713-896-8142
K L KELLOGG & SONS 4220 Long Beach Blvd PO Box 7053 Long Beach CA 90807 213-422-1247
KENAI DRILLING LTD PO Box 6725 Odessa TX 79767 915-362-2323
KENAI DRILLING WEST COAST INC PO Box 2248 Orcutt CA 93455 805-928-1701
KENDALL DRILLING CO 3112 E Powell Evansville IN 47715 812-477-5535
KENTING DRILLING CO LTD #1910 800-Fifth Ave SW Calgary AB T2P 2P9 Canada 403-298-5250
KENTING DRILLING CO LTD One Denver Place Ste 220 999-18th St Denver CO 80202 303-893-1383
KENTING DRILLING SERV LTD Trent Lane Castle Donington Derby DE7 2NP England (0332) 850060 Telex 377905
KEYDRIL CO 2000 Capital Bank Plaza 333 Clay St Houston TX 77002 713-754-3769
KEYES OFFSHORE INC 14141 SW Fwy Ste 5200 Sugarland TX 77487 713-491-2002
KINGSNORTH MARINE DRILLING LTD 53 Leadenhall St London EC3A 2BR England 01-481-2020 (851) 884801

L

LADRIDO DRILLING CO 3610 W Wall Midland TX 79701 915-694-2546
LAGERSEN DRILLING CO 302 Beck Bldg Shreveport LA 71101 318-227-9039
L & G DRILLING CO PO Box 35 Mt Pleasant MI 48858 517-772-3083
LANDIS DRILLING CO One Marienfeld Place Ste 305 PO Box 3579 Midland TX 79702 915-683-4151
L & M DRILLING CO PO Box 470 Artesia NM 88210 505-748-2205
LANEX DRILLING CO 4013 NW Expy Ste 610 Oklahoma City OK 73116 405-840-5022
D R LAUCK OIL CO 221 S Broadway Ste 400 Wichita KS 67202 316-263-8267
LEBEN DRILLING CO 105 S Broadway Ste 640 Wichita KS 67202-4260 316-264-2375
LEE DRILLING INC 4802 Derrick Dr Abilene TX 79601 915-677-3566
LEEMAN DRILLING CO 1400 Fifty Penn Place Oklahoma City OK 73118 405-842-1622
DAN LESTER DRILLING CO PO Drawer N Jefferson TX 75657 214-665-2511
LLL DRILLING CO PO Box 188 Bloomfield NM 87413 505-632-8045
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
LOHMANN DRILLING CO 18 NW Fourth St Ste 204 Evansville IN 47708 812-428-4180
LORD DRILLING CO 14618 W Sixth Ave Golden CO 80401 303-279-2471
LYNX DRILLING CO PO Box 13300 Arlington TX 76013 817-261-4181

M

MAERSK DRILLING Esplanaden 50 DK-1098 Copenhagen K Denmark 01-14 15 14 (855) 16201 MDrill DK
MAGEE-POOLE DRILLING CO PO Box 2000 Alice TX 78332 512-664-1891
MAGIC CIRCLE DRILLING CO 4141 Northwest Expwy Oklahoma City OK 73116 405-843-6654
MAGNUM MARINE CORP LP Tower Ste 200 PO Box 3579 Conroe TX 77305 409-539-5000 713-367-4000 (Houston) Telex 792749
R L MANNING CO 1700 Broadway Ste 2200 Denver CO 80290 303-839-1977
MARINE DRILLING CO 900 CCNB Center South Corpus Christi TX 78411 512-884-8851
MARINE DRILLING SA 1901 N Akard Cumberland Hill Dallas TX 75201 214-653-8700
MARION DRILLING & SERVICES CO PO Box 3027 Mobile AL 36652 205-626-3924
MARLIN DRILLING CO 1333 West Loop South Ste 780 Houston TX 77027-9178 713-627-1161
MARLIN-WEST DRILLING CO 3025 Gibson St PO Box 551 Bakersfield CA 93302 805-327-8304
MAXWELL HERRING DRILLING CORP PO Box 1297 Tyler TX 75710 214-593-1737
MAYRONNE CO Div Mayronne Enterprises Inc PO Box 432 Harvey LA 70059 504-366-7286
McALLISTER DRILLING INC 251 North Water Ste 10 Wichita KS 67202 316-263-6972
McBAY OIL & GAS INC PO Box 1085 Crockett TX 75835 409-544-5168
J W McCUTCHEN DRILLING CO 912 Oil & Gas Bldg Wichita Falls TX 76301 817-322-9231
McLENNAN DRILLING CO PO Box 6 Novata OK 74048 918-273-1265
McMURREY PETROLEUM INC PO Box 1899 Kilgore TX 75662 214-984-3578
McVAY DRILLING CO 2440 Mid-Continent Tower Tulsa OK 74103 505-397-3311
MEGARGEL DRILLING CO PO Box 356 Megargel TX 76370 817-563-2311
MELLON DRILLING CO 2121A Knickerbocker Rd San Angelo TX 76904 915-942-8732
MELTON DRILLING CO 7101 Downing Ave Bakersfield CA 93308 805-587-0521
MERCURY DRILLING CO 1701 SE 25th St Oklahoma City OK 73129 405-672-4441

M (Cont'd)

MESA DRILLING CO PO Box 1481 Abilene TX 79604 915-673-4787
MGF DRILLING CO-HOUSTON 2626 Richmond Ave Ste B Houston TX 77098 713-526-7236
MGF DRILLING CO-LAFAYETTE PO Box 938 Scott LA 70583 318-237-6161
MGF DRILLING CO-MIDLAND PO Box 6370 Midland TX 79711 915-563-4850
MID ATLANTIC OIL CO DRILLING DIV PO Box 196 Belle Valley OH 43717 614-732-5671
MILLER CONTRACT DRILLING INC PO Box 478 Livingston TN 38570 615-823-6425
GEORGE N MITCHELL DRILLING CO Airport Rd PO Drawer 111 Carmi IL 62821 618-382-2343
M N D DRILLING CORP-NORTHERN DIV PO Box 248 Bridgeport TX 76026 817-683-7922
M N D DRILLING CORP-SOUTHERN DIV PO Box 109 Magnolia TX 77355 713-356-8260
MOLEN DRILLING CO Grand Bldg Ste 500 PO Box 2222 Billings MT 59103 406-252-2581
MONTEREY DRILLING CO PO Drawer 30740 Santa Barbara CA 93130 805-967-9810
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-290-1644
MONTGOMERY DRILLING CO PO Box 2508 Bakersfield CA 93303 805-393-9820
MONTREAL ENGENHARIA S/A Rua Sao Jose 90/4 And Rio de Janeiro-RJ-Brazil 20013 (021) 224-8999
MORAN BROS INC PO Box 4502 Houston TX 77210 713-491-2941
MORANCO DRLG INC PO Box 1860 Hobbs NM 88240 505-397-3511
E W MORAN DRILLING CO PO Box 7519 Wichita Falls TX 76307 817-691-3000
MORCO A/S PO Box 65 N-4056 Tananger Norway 04-696766
MORRISON DRILLING & PRODUCING CO One Energy Square Ste 1-LB Abilene TX 79601 915-677-8523
MURCO DRILLING CORP 1900 Beck Bldg Shreveport LA 71101 318-221-7373
MURFIN DRILLING CO 250 N Water Ste 300 Wichita KS 67202 316-267-3241
MURLYNSON DRILLING CO PO Drawer 1876 Alice TX 78333 512-664-4540
PETE MURPHY DRILLING CO PO Drawer 1876 Alice TX 78333 512-664-3807

N

NABORS ALASKA DRILLING INC Anglo Energy Co 4300 B St Ste 600 Anchorage AK 99503 907-561-4440
NABORS DRILLING LTD 324 Eighth Ave SW 1107 Home Oil Tower Ste 1107 TD Square Calgary AB T2P 272 Canada 403-263-6610
NATIONAL DRILLING CO PO Box 4017 Abu Dhabi UAE 958-22553 FM NADRIL
NECK DRILLING CO Bin X Taft CA 93268 805-769-8811
NEDDRILL (NETHERLAND) BV PO Box 1925 3000 BX Ridm Coolsingel 139 Rotterdam Netherlands 3012 AG 10-17-79-66
NELSON DRILLING & WELL SERV 2100 Louisiana Tower Shreveport LA 71101 318-221-6890
DAVID NEW DRILLING CO PO Box 1487 Natchez MS 39120 601-442-1607
NEW JERSEY DRILLING CO Rte 206 Box 8 Netcong NJ 07857 201-347-2269
NICKLOS DRILLING CO 5200 Interfirst Plaza 1100 Louisiana Houston TX 77002 713-658-8245
NICOR DRILLING CO One Warren Place 6100 S Yale Ste 401 Tulsa OK 74136 918-494-5700
NIXON DRILLING CO 201 S Laurel St PO Box 632 Luling TX 78648 512-875-2418
NOBLE DRILLING CORP 1924 S Utica Ste 600 Tulsa OK 74104 918-749-9901
NORDRILL INTERNATIONAL INC 7670 Woodway Ste 150 Houston TX 77063 713-974-0000
JAMES R NORMAN DRILLING CO Rte 3 Box 391 Dickson TN 37055 615-645-4361
NORTON DRILLING CO 606 Republic Bank Bldg Lubbock TX 79401 806-747-3324
A N NORWOOD INC PO Box 310 Midland TX 79702 915-683-3972
NOWOTNY & CONLEY DRILLING CORP 1800 Beck Bldg 400 Travis St Shreveport LA 71101 318-227-0442
N R G DRILLING INC PO Box 1157 Liberal KS 67901 316-624-1818

O

OCEAN DRILLING & EXPL CO PO Box 61780 New Orleans LA 70161 504-561-2811
OCEAN DRILLING SERVICES INC 1901 N Akard Dallas TX 75201 214-653-8700
ODEBRECHT PERFURACOES LTDA Rua da Gloria 290 - 10th CEP 20241-Rio de Janeiro RJ-Brazil (021) 221-0860 (391) 02133197 Odel BR
ODFJELL DRILLING & CONSULTING CO A/S Kokstadflaten 5 PO Box 33 N-5061 Kokstad Norway 05-22 77 80 Telex: 42634 odccn/40507 odbas (856)
OIL DRILLING & EXPL LTD Level 36 AMP Centre 50 Bridge S Sydney NSW 2000 Australia 232-2066
ELMER OELZE JR RR 1 Box 148 Nashville IL 62263 618-327-3807
OKLAHOMA WARRIOR DRILLING CORP 5801 N Broadway Ste 200 Oklahoma City OK 73118 405-840-3902
OLSEN DRILLING CO One Denver Place Ste 3300 999-18th St Denver CO 80202 303-292-9930
O'NEAL DRILLING CO PO Box 4660 Fort Worth TX 76106 817-625-8246
ONEOK DRILLING CO 7060 S Yale Tulsa OK 74153 918-494-8725
ORKUSTOFNUN STATE DRILLING CONTRS Grensasveg 9 108 Reykjavik Iceland
OWEN DRILLING CO PO Box 861 Magnolia AR 71753 501-234-6300
JACK OWENS SERV CO 1626 Del Dayo Dr Carmichael CA 95608 916-485-8995

P

PACNORSE DRILLING SA PO Box 1401 Orange CA 92668 714-567-8215
PADRE DRILLING CO PO Box 9925 Corpus Christi TX 78469 512-241-2871
PAN ARCTIC DRILLING PO Box 487 Nisku AB T0C 2G0 Canada 403-955-7944
PAR-CO DRILLING INC PO Box 873 Natchez MS 39120 601-442-6421
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PEARL EXPLORATION INC PO Box 2179 Alice TX 78332 512-664-2605
PENROD DRILLING CO 2200 Thanksgiving Tower Dallas TX 75202 214-880-1700
P E P DRILLING CO 123 S Tenth PO Box 824 Mt Vernon IL 62864 618-242-2205
PHELPS DRILLING INTERNATIONAL LTD #800 11012 Macleod Trail S Calgary AB T2J 5A5 Canada 403-278-8050
PHOENIX MANAGEMENT CORP 2925 Briarpark Ste 500 Houston TX 77042 713-784-2420
PICKRELL DRILLING CO 110 N Market Ste 205 Wichita KS 67202 316-262-8427

P (Cont'd)

PNOC ENERGY DRILLING INC Philippine National Oil Co Merritt Rd Ft Bonifacio Metro Manila Philippines 815-89-61
POOL ARABIA LTD PO Box 4271 Houston TX 77210 713-780-4999
POOL AUSTRALIA INC PO Box 4271 Houston TX 77210 713-780-4999
POOL INTAIRDRIL PO Box 4271 Houston TX 77210 713-780-4999
POOL OFFSHORE PO Box 4271 Houston TX 77210 713-780-4999
POOL OFFSHORE SERVICE 298 Prospect St PO Box 2166 Houma LA 70361 504-868-1430
POOL SANTANA LTD PO Box 4271 Houston TX 77210 713-780-4999
GENE PORTER DRILLING CO PO Box 389 Cushing OK 74023 918-225-1563
POWER RIG DRILLING CO PO Box 52808 Lafayette LA 70505 318-234-4525
POZOS INTERNATIONAL DRILLING SERVICES CO 9 Pozos Lane PO Box 3339 Conroe TX 77305 409-756-4161
PRC DRILLING CO PO Box 1121 Corpus Christi TX 78403 512-289-6763
PRECISION DRILLING LTD Ste 1010 500 Fourth Ave SW Calgary AB T2P 2V6 Canada 403-264-4882
PRECISION EXPL CO PO Box 278 Olney IL 62450 618-395-8448
PREUSSAG AKTIENGESELLSCHAFT Erdol und Erdgas PO Box 1629 3150 Peine West Germany (05176)-171
PRUET-RAM CO PO Box 31 El Dorado AR 71730 501-863-3612
PT MAFHABOR INDONESIA J1 IR H JUANDA III/7-8 Jakarta Indonesia
PT META EPSI PRIBUMI DRILLING CO JL Madiun No 12 JKT 10310 PO Box 4311 JKT 10001 Indonesia 348900

Q

QUARLES DRILLING CORP 1503 Engineers Rd Belle Chasse LA 70037 504-392-4191
QUARLES DRILLING CORP 7633 E 63 Place Suite 500 Tulsa OK 74133 918-250-0515
QUITRAL-CO S.A.I.C. Carrito 822 9o Piso Buenos Aires Argentina 1010 40-8310

R

RAINBOW DRILLING CO 1108 N Kilgore St PO Box 1779 Kilgore TX 75662 214-984-5095
RAINS & WILLIAMSON OIL CO 435 Page Court 220 W Douglas Wichita KS 67202 316-265-9686 913-735-2215 913-625-7976
RAM DRILLING CO PO Box 118 Browns IL 62818 618-446-5117
RANGE DRILLING CO 240 Page Ct 220 W Douglas Wichita KS 67202 316-265-6231
RAPAD DRILLING CO (See CHESLEY PRUET DRILLING CO)
RATLIFF DRILLING CO PO Box 988 Duncan OK 73533 405-255-2916
RAY RESOURCES CORP PO Box 203 Culloden WV 25510 304-743-9067
READING & BATES DRILLING CO 901 Threadneedle Ste 200 PO Box 79627 Houston TX 77279 713-496-5000
REBEL RIG #3 LTD PO Box 1151 Natchez MS 39120 601-446-7831
REBSTOCK DRILLING CO 2601 Lexington Ave Kenner LA 70062 504-467-1321
RED ARROW DRILLING LTD 520 304 Eighth Ave SW Calgary AB T2P 1C2 Canada 403-264-0695
RED TIGER DRILLING CO 1720 Kansas State Bank Bldg Wichita KS 76202 316-263-2371
REGENT DRILLING LTD 12540 129th St Edmonton AB T5L 4W5 Canada 403-455-2121
REPUBLIC DRILLING CO PO Box 2945 Santa Fe Springs CA 90670 213-595-4505
RESOURCE DRILLING INC PO Box 4341 Houston TX 77210 713-932-1100
RICHARDS-ARMSTRONG INC PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING ASSOC PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING CO PO Box 1149 Bay City TX 77414 409-245-8389
RICHARDS DRILLING LTD PO Box 1149 Bay City TX 77414 409-245-8389
RICHTER DRILLING PTY LTD 14 Cribb St Milton Vacc Bldg 1st Floor GPO Box 2197 Brisbane Queensland 4000 Australia (07) 369-8255 (07) 229-2544
RILEY DRILLING CO 907 Scurry Big Spring TX 79720 915-394-4454
RINE DRILLING CO 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RIO COLORADO DRILLING CO PO Drawer 8243 Midland TX 79708 915-561-9901
RIO COLORADO SA Sarmiento 663 7th Floor 1316 Buenos Aires Argentina (390) 18930
RIO GRANDE DRILLING CO 2300 Tower Life Bldg San Antonio TX 78205 512-224-4572
ROBERSON DRILLING CO PO Box 1966 Ardmore OK 73402-1966 405-223-1277
ROBINSON DRILLING OF TEXAS PO Box 311 Big Spring TX 79720 915-267-5277
ROCKHOLD ENGINEERING INC PO Box 696 Great Bend KS 67530 316-792-2506
ROCKWELL DRILLING CO PO Box 993 400 W Fifth St Holdenville OK 74848 405-379-5414
ROCKY MOUNTAIN DRILLING LTD 521 Third Ave SW #430 Calgary AB T2P 3T3 Canada 403-234-7779
ROD RIC CORP PO Box 10847 Midland TX 79702 915-682-7890
MIKE ROGERS DRILLING CO PO Box 126 Magnolia AR 71753 501-234-2322
ROSAMOND DRILLING CO 1300 Main Ste 1800 Houston TX 77002 713-951-9155
ROSS DRILLING CO PO Box 2008 3201 Sandefjord Norway 34-63481
ROWAN COMPANIES INC 5051 Westheimer 1900 Post Oak Tower Houston TX 77056 713-621-7800
ROWAN DRILLING-US 1900 Post Oak Tower Bldg 5051 Westheimer Houston TX 77056 713-621-7800
ROWAN INTERNATIONAL INC 5051 Westheimer 1900 Post Oak Tower Houston TX 77056 713-621-7800
ROYAL DRILLING INC PO Box 1971 Ada OK 74820 405-332-1426
R R A INC 510 Hardage Center Wichita KS 67202 316-262-3411
R W I T DRILLING CO 324 W Main PO Box 551 Holdenville OK 74848 405-379-5491

S

SABRE DRILLING INC 1215 24th St W #140 Billings MT 59102 406-656-0730
SAFARI DRILLING CORP PO Box 3236 Abilene TX 79604 915-677-2826
SAGE DRILLING CO 202 S St Francis Wichita KS 67202 316-263-6139
SAIPEM SPA PO Box 12072 San Donato Milanese 20097 Milano Italy 02 5201 (02) 520-9953
SALEN OFFSHORE CO 580 Westlake Park Blvd Ste 900 Houston TX 70079 713-496-7770
SANDIA DRILLING CO 2500 Broadway Bldg Edmond OK 73034 405-340-4500
S & T DRILLING LTD PO Box 4890 Edmonton Alberta T6E 5G7 Canada 403-955-7011

S (Cont'd)

SAN PATRICIO CORP PO Box 986 Corpus Christi TX 78403 512-289-6717
SANTA FE DRILLING CO 505 S Main St PO Box 1401 Orange CA 92668 714-567-8000
SAWYER DRILLING & SERV INC 1300 American Tower Shreveport LA 71101 318-227-8150
SCANDINAVIAN MONTGOMERY DRILLING PO Box 2508 Bakersfield CA 93303 805-393-9620
SCHLENSKER DRILLING CORP PO Box 831330 Richardson TX 75083-1330 214-231-8551
DON SCOTT DRILLING CO PO Box 177 Jonesville MI 49250 517-849-9237
JERRY SCOTT DRILLING CO 319 N Harvey Rd PO Box 1488 Seminole OK 74868 405-382-2202
SEA DRILLING NETHERLANDS 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SEDCO DRILLING Box 6620 Postal Sta D 1700 321 Sixth Ave SW Calgary AB T2P 3R3 Canada 403-231-1161
SEDCO INC Middle East Land Rigs 1901 N Akard Dallas TX 75201 214-720-8700
SEDCO INTERNATIONAL SA 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SEDCO MARITIME INC 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SEDCO-UNDERSEAS DRILLING LTD 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SERVICE DRILLING CO PO Box 5320 Borger TX 79008-5320 806-273-7573
SERVICE EQUIPMENT & ENGINEERING INC 900 Dunn St Houma LA 70360 504-868-9010
706 DRILLING CO LTD 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SH & J DRILLING CORP PO Drawer 888 Magnolia AR 71753 501-234-4600
DEAN SHANK DRILLING CO 2908 Engineers Rd Belle Chasse LA 70037 504-392-1685
SHARP DRILLING CO PO Box 1271 Midland TX 79702 915-683-3384
SHELBY DRILLING 5350 S Roslyn Ste 300 Englewood CO 80111 303-740-2200
SHELBY DRILLING LTD 4A 2016-25th Ave NE Calgary AB T2E 6Z4 Canada 403-230-3655
SHULER DRILLING CO 3514 W Hillsboro El Dorado AR 71730 501-863-7234
SIERRA DRILLING CO PO Box 2681 Midland TX 75231 214-363-7163
SIMMONS DRILLING INC 7000 S Potomac Englewood CO 80112 303-799-0161
SIMMONS DRILLING LTD 600-1177 11th Ave SW Calgary AB T2R 1K9 Canada 403-244-5340
SITTON DRILLING CO 916 Main Ste 503 Lubbock TX 79401 806-763-4442
SKINNER MARINE OPERATIONS LTD PO Box 46 San Fernando Trinidad West Indies 65-77265
SLAWSON DRILLING CO 200 Douglas Bldg Wichita KS 67207 316-263-3201
SLOAN DRILLING CO 2761 E Skelly Dr 2700 Center Bldg Tulsa OK 74105 918-745-6570
A/S SMEDVIG DRILLING CO PO Box 110 4001 Stavanger Norway (04) 5-20040
SMITH DRILLING CO Rte 1 S PO Box 150 Lawrenceville IL 62439 618-943-2342
CARL E SMITH PETROLEUM INC PO Box 4 Sandyville WV 25275-0004 304-273-9313
SOJOURNER DRILLING CORP PO Box 3234 Abilene TX 79604 915-672-2832 915-677-6269
SONAT INTEROCEAN DRILLING SA PO Box 2765 Houston TX 77252-2765 713-871-7500
SONAT OFFSHORE DRILLING INC PO Box 2765 Houston TX 77252-2765 713-871-7500
SONAT SOUTHLAND DRILLING CO 14811 St Marys Ste 270 Houston TX 77079 713-497-1995
SONPETROL Orense, 32 28020 Madrid Spain 455.18.58/62/66
SOUTHEASTERN DRILLING SERVICE INC 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SOUTHEASTERN OCEAN DRILLING CO SA 1901 N Akard Cumberland Hill Dallas TX 75201 214-720-8700
SOUTH SEAS DRILLING CO PO Box 1401 Orange CA 92668 714-558-1300
SOUTH TEXAS DRILLING CO 2211 NE Loop 410 Ste 100 San Antonio TX 78205 512-654-4085 713-784-4051
SPARTAN DRILLING INC 8223 Willow Place South Ste #105 Houston TX 77070 713-955-0625
SPARTAN DRILLING LTD 1900 801 Sixth Ave SW Calgary AB T2P 3W2 Canada 403-262-7778
STERLING DRILLING CO PO Drawer 3068 Midland TX 79702 915-685-3054
STEWART BROTHERS DRILLING CO PO Box 2067 Grants NM 87020 505-287-2986
STOEPPELWERTH DRILLING INC 1111 E "H" St McCook NE 69001 308-345-1766
SWEETMAN DRILLING INC 500 Heritage Park Place Wichita KS 67202 316-265-5561

T

TAHOE DRILLING CO 4402 W Industrial Midland TX 79703 915-697-4173
TAYLOR DRILLING CO PO Box 597 Chehalis WA 98532 206-748-3445
TELEDYNE MOVIBLE OFFSHORE INC PO Box 31936 Lafayette LA 70505 318-365-8681
TEMPLE DRILLING CO 3300 Capital Bank Plaza Houston TX 77002 713-759-0960
TESORO DRILLING CO PO Drawer 2909 Laurel MS 39440 601-425-1481
TEXAS DRILLING CO PO Box 240 Abilene TX 79604 915-673-5024
TEXZONA DRILLING CORP 21 Windmill Circle PO Box 6127 Abilene TX 79608 915-695-4963
THEISS DRILLING CO 4726 Jacksboro Hwy Ste E Wichita Falls TX 76302 817-761-3111
THOMAS DRILLING CO PO Box 400 Duncan OK 73533 405-252-5580
THOMPSON DRILLING CO 4 Corporate Plaza Dr Ste 102 Newport Beach CA 92660-7988 714-644-9292
THUNDERBOLT DRILLING INC PO Box 129 Winnsboro TX 75494 214-342-5221
TMBR DRILLING INC 5609 W Industrial (79701) PO Drawer 10970 Midland TX 79702 915-563-1927
TOLTEK DRILLING CO 340 Denver Club Bldg Denver CO 80202 303-571-1331
TOMMY'S OILWELL DRILLING INC PO Box 899 Graham TX 76046 817-549-6960
TOP DRILLING INC 2601 NW Expy Ste 101E Oil Center Oklahoma City OK 73112-7138 405-848-4414
TOWER DRILLING CO 11990 Grant St Ste 210 Northglenn CO 80233 303-452-0111
TRANSCONTINENTAL DRILLING INC JACKSON DIV 1700 Capital Towers Jackson MS 39201 601-355-1142

T (Cont'd)

TRANSCONTINENTAL DRILLING INC MAGNOLIA DIV Magnolia AR 71753 501-234-5011
TRANSCONTINENTAL DRILLING INC SAN ANGELO DIV 3184 Executive Dr San Angelo TX 76903 915-653-3324
TRANSOCEAN DRILLING CO LTD PO Box 25861 Oklahoma City OK 73125 405-270-2804
TRANSWORLD DRILLING CO PO Box 25861 Oklahoma City OK 73125 405-270-2804
TRIAD DRILLING Sub UGI Development Co 5400 N Grand Blvd Ste 310 Oklahoma City OK 73112 405-948-6006
TRIANGLE DRILLING LTD Rua da Gloria 290 - 10 20241 Rio de Janeiro - RJ Brazil (021) 221-0860 Telex (391) 021 33197 ODEI BR
TRI-CITY DRILLING LTD 14305 120th Ave Edmonton AB T5L 2R8 Canada 403-453-3771
TRIGG DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-4456
TRI-LAND DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-1463
TRI-SERVICE DRILLING CO 1200 Petroleum Bldg Midland TX 79701 915-684-6641
TROPIC SHIPPING ENTERPRISES LTD c/o Tropic Drilling Co 17150 Butte Creek Rd Ste 100 Houston TX 77090 713-444-3970
TRUE DRILLING CO PO Drawer 2360 Casper WY 82602 307-237-9301
TUCKER DRILLING CO PO Box 1876 San Angelo TX 76901 915-655-6773
TWO R DRILLING CO PO Box 1968 Houma LA 70361 504-876-6987
TWT EXPLORATION INC PO Box 1329 Park City UT 84060 801-649-8212

U

UNDERWATER GAS DEVELOPERS LTD 3786 Hwy #3 RR #1 Sherkston Ontario L0S 1R0 Canada 416-894-1731
UNDERWOOD OIL WELL SERV INC Ouachita National Bank Bldg Ste 808 Monroe LA 71201 318-388-0385
UNION DRILLING INC PO Drawer 40 Buckhannon WV 26201 304-472-4610
UNIT DRILLING & EXPL CO 1100 Petroleum Club Bldg Tulsa OK 74119 918-582-3188
U R C DRILLING CORP 4141 Northwest Expy Oklahoma City OK 73116 405-842-1039

V

VAUGHN GOOD DRILLING INC PO Box 3744 Enid OK 73702 405-233-3899
VECO DRILLING INC 2457 Industrial Blvd PO Box 1705 Grand Junction CO 81502 303-242-6912
VENTURE DRILLING CO 848 E Main PO Box 1353 Cushing OK 74023 918-225-3269
VERNA CORP PO Box 952 Odessa TX 79760 915-381-6910
VIERSEN & COCHRAN DRILLING CO PO Box 19227 Oklahoma City OK 73144 405-681-6611
HERMANN VON RAUTENKRANZ INTERNATIONALE TIEFBOHR GMBH & CO KG ITAG PO Box 114 D-3100 Celle Germany 841-925-241 ITAGCD

W

WARREN INTERSTATE DRILLING CO 906 Utica Tower Tulsa OK 74104 918-749-8361
W E K DRILLING CO PO Box 1498 Roswell NM 88201 505-623-5070
WELL SERVICES LTD PO Box 152 San Fernando Trinidad West Indies 649-7531
W E S CORP PO Box 1329 Park City UT 84060 801-649-8212
WES-MOR DRILLING INC PO Box 1269 Graham TX 76046 817-549-3383
WESTBRIDGE DRILLING (PTY) LTD 69 Outram St West Perth WA 6005 Australia 09-322-1445
WESTBURNE DRILLING CANADA LTD 100 535 Seventh Ave SW Calgary AB T2P 0Y4 Canada 403-233-6600
WESTBURNE DRILLING INC 999-18th St #1860 PO Box 13079 Denver CO 80201 303-298-8800
WESTBURNE WORLDWIDE DRLG LTD PO Box 1558 Hamilton S Bermuda 809-292-3536/37
WESTERN OCEANIC INC 515 S Post Oak Rd PO Box 56006 (77256) Houston TX 77027 713-629-2726
WESTERN OFFSHORE DRILLING & EXPLORATION CO 3333 Michelson Dr Irvine CA 92730 714-975-7034
WESTERN WELL DRILLING INC 11299 Brighton Rd Henderson CO 80640 303-288-2247
WES-TEX DRILLING CO PO Box 3739 Abilene TX 79604 915-677-9121
WESTWOOD DRILLING CO PO Box 5129 Woodward OK 73803 405-254-5940
WHEATSTATE OILFIELD SERVICES INC PO Box 329 Pratt KS 67124 316-672-7514
WHELESS DRILLING CO 920 Commercial National Bank Bldg Shreveport LA 71101 318-222-3137
WHITE & ELLIS DRILLING INC 401 E Douglas Ste 500 Wichita KS 67202 316-263-1102
WILCOX DRILLERS INC PO Box F F Natchez MS 39120 601-446-5021
WILH WILHELMSEN Roald Amundsens Gate 5 Oslo 1 Norway Telex 78900
WILLBROS DRILLING INC FM 1788-2 mi S I-20 PO Box 833 Rte 6 Midland TX 79701 915-563-0221
WILLIAMS DRILLING CO OF SOUTH TEXAS PO Drawer 3050 Alice TX 78333 512-668-9867
WILLIS DRILLING CO PO Box 479 Edinburg TX 78540 512-383-3888
WILSON BROS DRILLING CO 217 E Kaliste Saloom Rd PO Drawer 53628 Lafayette LA 70505 318-233-5950
LES WILSON INC PO Box 331 Carmi IL 62821 618-382-4666
WOOLF & MAGEE INC PO Box 6566 Tyler TX 75711 214-561-4051
W W CORP 220 N Main St Madisonville KY 42431 502-821-0087
WYOMING WELL SERV INC PO Box 340 Cody WY 82414 307-587-4249

Y

YOUNG DRILLING CO Bloomfield Hwy PO Box 717 Farmington NM 87401 505-327-5218

Z

ZAPATA OFFSHORE CO Zapata Tower PO Box 4240 Houston TX 77210-4240 713-226-6501
ZENITH DRILLING CORP Fourth Financial Center Ste 505 Wichita KS 67202 316-265-6897

Drawworks Manufacturers Abbreviations

Bethlehem Supply Co.	Beth	Lee, Harold Engineering	Lee
Bucyrus-Erie Co.	B-E	Mayhew Supply Co Inc.	May
Cabot Corp Machinery Div.	Cbot	Mid-Continent Supply	MC
Cardwell Mfg. Co.	Crdw	National Supply Co.	Nat
Challenger	Chal	OIME	OIME
Continental Emsco	Emsco	Oilwell Div. (U.S. Steel)	Olwl
Cooper Mfg. Corp.	Coop	OPI Pump Div.	OPI
DeMag Mfg. Co.	DeMg	Quincy Mfg.	Quin
Ellis-Williams	E-W	Salzgitter Maschinen Mfg. Co.	Salt
Ewbank Mfg. Div. Inc.	Ewb	Skytop/Brewster	S/B
George E. Failing Co.	Fail	Spencer-Harris Machine & Tool Co.	S-H
Foramines	Fora	Superior	Sup
Gardner-Denver	G-D	Tri Service Mfg. Co.	TSM
Hacker Machine & Supply Co.	Hack	Wagner-Morehouse Inc.	W-M
Haniel & Lueg	H-L	Walker-Neer Mfg. Co. Inc.	W-N
Hooper Machine Works Inc.	Hoop	Weiss Corp.	Weis
Houston Systems	HS	Wheland Co.	Whln
Howard-Turner Machine Works	HT	Wichtex Machinery Co. Inc.	Wich
Ideco Inc.	Idco	Wilson Mfg. Co. Inc.	Wils
Ingersoll-Rand Co.	I-R	Worth Co.	Worth
Joy Mfg. Co.	Joy		
Justiss-Mears Oil Co.	J-M		

AUCTION...

... WHO NEEDS IT?
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1. Considering Retirement
2. Discontinuing Business
3. Dissolving Partnership or Corporation
4. Liquidating Joint Venture
5. Settling an Estate
6. Completing Project
7. Liquidating Surplus Equipment
8. "Just Plain Fed-Up"

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5. YOUR complete sale is over in a matter of hours!

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Circle 283 on Reader Service Card

US Contract Rotary Land Drilling Rigs

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ALABAMA						
UNDESIGNATED						
Culver Drlg	20	dsl	2000	Nat 1320	2000	25
Justiss Oil	11	dsl	1200	Emsco GB800	1600	14
BALDWIN						
Underwood Oil Well Serv	12	dsl	350	S/B N3	350	4
CLARKE						
Chesley Pruet Drlg	14	dsl	3800	G-D 1500M	3800	25
Grace France Drlg	5	el	2400	Oiwl 760E	2400	17
Tesoro Drlg	3	dsl	2600	Nat 1320M	2742	25
	5	dsl	2000	Nat 80B	1650	15
ESCAMBIA						
Exeter Drlg Southern	15	dsl	2550	G-D 1100	1550	18
Penrod Drlg	9	dsl	2600	Nat 1320M	3425	25
Tesoro Drlg	7	dsl	2000	Nat 80B	1650	15
Wilson Bros Drlg	2	dsl	1900	Nat 110	1900	20
GREENE						
Resource Drlg	RD10	dsl	2330	Nat 110	2740	18
HALE						
Crescent Drlg	7	dsl	1750	Beth Toro	2000	13
HOUSTON						
Penrod Drlg	19	dsl	2600	Nat 1320M	3425	25
LAMAR						
Apollo Drlg Inc (TX)	1	dsl	500	Nat 370	550	10.5
	5	dsl	500	Nat 370	550	10.5
Lohmann Drlg	5	dsl	600	Nat 50A	800	10
	8	dsl	300	Nat 32	550	7.5
MOBILE						
Exeter Drlg Southern	27	dsl	2800	G-D 1500	2800	25
Noble Drlg	25	el	3300	Nat 1625DE	3135	30
Penrod Drlg	6	dsl	3425	Nat 1625M6	2200	30
	7	dsl	3425	Nat 1625M6	2200	30
Resource Drlg	RD-22	dsl	3105	Nat 1320	3740	25
ST CLAIR						
Helmerich & Payne	111					
ALASKA						
ANCHORAGE						
Brinkerhoff-Signal	36	dsl	4000	Nat 110	1800	16
Nabors Alaska Drlg	28-E	d-e	2000	Emsco Electrohoist IIC	3700	25
KENAI						
Brinkerhoff-Signal	31	dsl	800	Nat T20	300	6.5
	43	dsl	3800	Oiwl 96	1800	16
	54	dsl	3600	Nat 110UE	1800	18
	58	dsl	2000	Wils 120	1200	16
	59	dsl	3600	Oiwl 96	1800	16
Rowan Drlg-US	29	dsl	1850	Nat 110	2400	20
NORTH SLOPE						
Alaska United Drlg	WWS-1	d-e	1000	Oiwl 700E	700	10
	1	d-e	2000	Oiwl 840E	1500	18
	2	d-e	3200	Oiwl 2000	2000	20
	3	d-e	3200	Oiwl 2000E	2000	20
Brinkerhoff-Signal	PHJVI	dsl	4000	Oiwl E2000	2000	18
	84	dsl	4000	Nat 110	2000	16
Nabors Alaska Drlg	17	dsl	2000	Oiwl 860	2475	19
	25	dsl	2000	Nat 110	2475	20
	1-ES	d-e	500	Emsco Electrohoist CII	2400	20
	18-E	d-e	2000	Emsco Electrohoist	3200	25
	22-E	d-e	3200	Emsco IIC Electrohoist	3200	25
	26-E	d-e	3200	Emsco Electrohoist	4000	25
	27-E	d-e	3200	Emsco Electrohoist	4000	25
Parker Drlg	95	dsl	2600	Nat 130	3000	18
	96	dsl	2600	Nat 130	3000	20
	97	dsl	1400	Nat 80B	1400	15
	122	dsl	1800	OIME SL1500	1800	18
	123	dsl	1800	OIME SL1500	1800	18
	128	dsl	1400	OIME TBA2000	1400	15
ALASKA (Cont'd)						
NORTH SLOPE (Cont'd)						
Parker Drlg	141	dsl	2700	OIME E2000	3000	18
	147	dsl	1400	OIME TBA2000	1400	15
	178	d-e	3200	OIME 2000E	2000	20
	191	dsl	3200	OIME 3000E	3000	20
Rowan Drlg-US	26	dsl	2000	Nat 110	1590	18
	33	d-e	1600	Nat 1320UE		20
	34	d-e	2000	Nat 110EH Special	3000	17
	35	d-e	2000	Nat 110EH Special	3000	17
	41	dsl	3200	Nat 1320UE	3300	25
ARIZONA						
APACHE						
Stewart Bros Drlg	51	dsl	324	Fail 2500	324	3
NAVAJO						
Stewart Bros Drlg	53	dsl	324	G-D 15W	324	1.5
ARKANSAS						
UNDESIGNATED						
Astro Drlg	20	dsl	550	Cbot 550	456	8.5
Justiss Oil	9	dsl	800	Emsco GC500	1200	12.5
	21	dsl	800	Emsco GB500	1000	12
Shuler Drlg	4	dsl	700	Emsco GB350	700	8.5
SH & J Drlg	1	dsl	807	CRDW 0	800	10
	2	g-b	885	S/B N7	750	9.5
Transcontinental Drlg-Magnolia	4	gas	700	Emsco GB500	700	9.5
	7	dsl	1020	Oiwl 76	1020	12.5
	54	dsl	800	Nat 50A	980	10
	86					
	94					
Unit Drlg & Expl	6	dsl	600	MC U15	800	11
COLUMBIA						
Butler-Johnson	10	dsl	1500	G-D M800	1500	14
Noble Drlg	N-59	dsl	800	Nat 55	800	12
Rogers Drlg	2	dsl	550	S-H 7000	650	9.3
Sawyer Drlg & Serv	6	gas	1200	S/B N75	1200	13
Shuler Drlg	6	dsl	950	Wils SG	950	10.5
	9	dsl	475	S-H 7000	750	7
CONWAY						
Grace Miller Drlg	108	gas		MC U15	450	8.5
	120	gas		S-H 7000	390	8
CRAWFORD						
Grace Miller Drlg	121	gas		S-H 7000	390	8
DREW						
Murco Drlg	2	dsl	2200	Oiwl 760E	1000	15
FRANKLIN						
FWA Drlg	6	dsl	900	Wils 75	720	10
HASKELL						
Alexander Drlg	4	dsl	450	W-N 250H40	425	7
Astro Drlg	19	dsl	912	Wils Super Giant	912	12.5
JOHNSON						
Dual Drlg	6	dsl	600	Emsco GB350	560	7.5
Grace Miller Drlg	105	gas		S-H 7000	390	8
	115	dsl		S-H 7000	600	8
Moran Drlg, E W	16	dsl		S-H 7000	400	9.5
LAFAYETTE						
Owen Drlg	7	dsl	1100	Idco H35	504	7
	8	dsl	300	Wils Super38	220	3.5
Shuler Drlg	5	dsl	325	Beth	350	5/ 3.5"
SH & J Drlg	3	dsl	807	Unit 34	350	7.3
Transcontinental Drlg-Magnolia	22	dsl	750	S/B N7	750	11
LOGAN						
FWA Drlg	31	dsl	1000	Wils Mogul 42	750	7.5
Grace Miller Drlg	102	gas		MC U15	1080	12
	103	gas		Nat 50	500	10
	119	dsl		BDW 650	800	12
MILLER						
D B Drlg	21	dsl	750	S/B N4	450	8
ARKANSAS (Cont'd)						
OUACHITA						
Shuler Drlg	1	dsl	325	S/B N4	350	5
PERRY						
Santa Fe Drlg	95	d-e	2800	Oiwl E2000	1500	20
POPE						
Astro Drlg	22	dsl	920	Beth M58	920	12
	23	dsl	1050	Cbot 2550	1040	15
Dual Drlg	8	dsl	1250	Wils 75	750	9.5
Grace Miller Drlg	107	gas		MC U15	400	8.5
	111	gas		S-H 7000	390	8
Ladrido Drlg	2	dsl	1000	MC U15	1050	12
	3	dsl	1350	MC U15	1050	12
SCOTT						
Henley Drlg	3	dsl	4000	S/B N12A	2700	25
	4	dsl	4000	Emsco C2	2000	25
SEBASTIAN						
Astro Drlg	48					
C E C Drlg	3	dsl	1200	G-D 500	800	12
	4	dsl	1400	G-D 500	800	12
Grace Miller Drlg	104	gas		Nat 50	520	8
	106	dsl		Beth 650	1000	13
	109	dsl		BDW 800	1290	15
	110	dsl		OIME SL1500	1500	18
UNION						
Shuler Drlg	7	dsl	360	S-H 6000	570	6
	8	dsl	475	S-H 7000	540	7
CALIFORNIA						
UNDESIGNATED						
Atlantic Oil	16	dsl	1650	Nat 130	2475	20
Cal Pacific Drlg	1	d-e	1200	Sup 700UE	700	10
	2	d-e	1200	Sup 700UE	700	10
	4	d-e	1950	Sup 1000UE	1000	12.5
	5	d-e	1950	Sup 1000UE	1000	12.5
	6	d-e	1950	Sup 1000UE	1000	12.5
	8	d-e	2000	Emsco C1Type2	1500	16
California Prod Serv	D-3	dsl	300	Idco H37D	461	4.5
	D-4	dsl	500	Hoop MTA	461	4.5
	D-7	dsl	1000	Hoop MTA	654	6.5
Hunnicutt Camp Drlg	2	dsl	1520	Oiwl 680	880	12.5
	3	dsl	1400	Nat CA50	640	10.5
	4	dsl	1400	Oiwl 66	640	11
	5	dsl	960	Idco 525	480	9
	6	d-e	4000	Nat 110	2000	18
Loffland Bros	98	d-e	2000	MC U40E	1800	13
Scandinavian Montgomery Drlg	3	dsl	1200	Nat 75	700	12
	8	dsl	1200	Nat 75	700	12
	11	dsl	1500	Emsco GB800	1500	12
BUTTE						
Bawden Drlg	11	d-e	1800	Emsco A800WE	1000	14
COLUSA						
Atlantic Oil	12	dsl	850	Nat 50A	680	9
	15	dsl	1020	Nat T32	340	7.5
Owens Serv, Jack	4	dsl	300	Idco H35	318	4
FRESNO						
Republic Drlg	22	dsl	1900	MC U38A	950	10
GEYSERVILLE						
Atlantic Oil	6	dsl	810	Nat 80	1680	14
GLENN						
Atlantic Oil	11	dsl	1350	Nat 80	1350	14
HUMBOLDT						
Brinkerhoff-Signal	32	dsl	1000	Emsco GC350	485	8
IMPERIAL						
Brinkerhoff-Signal	56	d-e		Emsco A110E	2700	18
Cleveland Drlg	6	d-e	2400	Nat 110UE	1500	20
Monterey Drlg	8	d-e	1000	Nat 80B	2000	14
INYO						
Loffland Bros	217	gas	1600	MC U914C	1900	18
KERN						
Atlantic Oil	2	dsl	1260	Nat 55	1260	11
	3	dsl	680	Idco H40	370	7.5

CALIFORNIA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
KERN (Cont'd)						
Atlantic Oil	4	dsl	900	Nat 55	900	10
	5	dsl	680	Nat 50A	680	9
	8	dsl	1020	Nat T32	370	7.5
	10	dsl	1020	Nat T32	370	7.5
Brinkerhoff-Signal	8	g-b	1000	G-D 800	1000	14
California Prod Serv	M-17	dsl	300	Crdw K200C	308	4
	M-70	dsl	448	Idco H35CKD	424	4
	M-71					
Cardinal Drlg	27	dsl	1200	Emsco GC500	1200	12.5
	29	dsl	800	Emsco GA500	1200	10
Cleveland Drlg	2	dsl	600	S/B RR400	450	5
	3	d-e	2000	Nat 100	1500	18
	4	dsl	1200	Nat 75CA	800	12
	7	dsl	1000	Nat 75	800	12
	8	dsl	800	Idco 750	700	10
Coastal Drlg	7	dsl	2000	Emsco J750	825	11.5
	8	dsl	900	Oiwl 52T	550	7.5
Dahlquist Drlg	1	dsl	450	Tson 3000	225	3
	5	dsl	360	Fail 2000	200	2
Gary Drlg	D-10	dsl	628	Hoop	400	5.5
	D-11	dsl	600	Emsco C50	600	8
	D-12	dsl	382	Emsco GB160T	300	4.5
	D-13	dsl	450	Emsco GB16T	300	4
	D-14	dsl				
	D-16	dsl				
	D-2	dsl	800	Nat T45	600	9
	D-30	dsl	300	Idco 35		
	D-4	dsl	475	Emsco GB160T	450	4.5
	D-5	dsl	382	Hoop GT34	300	2.5
	D-8	dsl	600	Emsco GB160T	400	4.5
	D-7	dsl	381	Gary	200	2
	D-8	dsl	450	Emsco GB160T	400	4.5
	D-9	dsl	628	Cbot	400	5.5
	1	dsl	450	Hoop	400	5
	14	dsl	800	Gary	640	9
Golden State Drlg	D-10	dsl	750	Custom HT	450	5.5
	D-2					
	D-4					
	D-6	dsl	750	Custom HT	450	5.5
	D-8	dsl	750	Chal 78	450	5.5
Hylton Drlg	1	dsl	400	Nat T12	300	4
	4	dsl	380	HT MR10	150	3
	5	dsl	380	Idco H30	300	5
	7	dsl	300	Nat T12	380	4
	8	dsl	380	Idco H30	300	5
	9	dsl	400	Idco H30	300	5
Kellogg & Sons, K L	40	el	850	Nat 610	750	12.5
	41	el	850	Nat 75	1000	14
Kenai Drlg	5	dsl	1100	Nat T32	400	6.5
	6	dsl	850	Emsco J750	800	8
	34	dsl	1030	Emsco GB350	600	7.5
Loffland Bros	125	d-e	2180	MC U914	2200	18
	185	gas	1600	MC U914C	1900	18
Marlin West	Marlin 11	d-e	2000	Nat 110	1600	18
	Marlin 12	d-e	200C	Nat 110	1600	18
	13	d-e	2000	Nat 110UE	1600	18
Montgomery Drlg	8					
	9					
	12	dsl	2000	Emsco GB800	75	12
	14	dsl	1200	Oiwl 66	700	10.5
	16					
	17	d-e	2000	Oiwl 940E	2000	20
	18					
NECK Drlg	1	gas	350	Wils Super	350	4
	2					
KINGS						
Coastal Drlg	1	dsl	550	Crdw KM250	550	5.5
Montgomery Drlg	10					
	19					
Scandinavian Montgomery Drlg	9	d-e	2200	Nat 1320UE	3000	22
LAKE						
Brinkerhoff-Signal	87	dsl	2000	Nat 80UE	2000	26
Loffland Bros	25	d-e	2160	MC U914CE	2200	18
	50	d-e	1420	MC U712A	1600	17
	92	d-e	2160	MC U914CE	2200	18
LONG BEACH						
Bawden Drlg	22	d-e	700	Emsco M58	800	10
LOS ANGELES						
Bawden Drlg	38	d-e	1800	Oiwl 940E	1500	16
Big Chief Drlg	18	dsl	500	Hoop GJXTA	450	6
California Prod Serv	M-72	dsl	500	Idco H35CKD	424	4
	M-73	dsl	370	Idco H35CKD	424	4
Cleveland Drlg	5	dsl	2400	Idco Super 711E	1800	18
Gary Drlg	15	dsl	800	Gary	640	9
Monterey Drlg	C	d-e	1000	Nat 100ME	1500	16
	F	d-e	500	Idco H30E	500	8
Republic Drlg	6	dsl	636	Idco H40	475	5.5
	11	dsl	636	Idco H30	318	3.5
	16	dsl	636	Idco H35	318	4
	17	dsl	1100	Cbot 1287	636	7
Thompson Drlg	2	dsl	800	Emsco D550T		6.5

CALIFORNIA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
MONTEREY						
Loffland Bros	328	dsl	2160	Nat 130	2400	22
Melton Drlg	3	dsl	500	Emsco 160	350	4
ORANGE						
Bawden Drlg	27	d-e	1500	Emsco A550E	1000	12
RIO VISTA						
Bawden Drlg	18	d-e	2300	Nat 110M	150	16
SAN JOAQUIN						
Montgomery Drlg	7	dsl	1200	Nat 75	700	11
SAN LUIS OBISPO						
Brinkerhoff-Signal	90	dsl	4000	G-D 1500E	2000	25
Gary Drlg	D-3	dsl	628	Emsco G350	600	8
Kenai Drlg	4	dsl	900	Idco H40D	400	7
SAN MATEO						
Montgomery Drlg	15	d-e	2000	Nat 75CB	1000	14
SANTA BARBARA						
Bawden Drlg	50	d-m	1500	Nat 55	700	11
Kenai Drlg	7	dsl	800	MAC 400	425	7
	8	dsl	825	W-M T4054	425	7
	9	dsl	825	Idco H40	400	6.5
	24	d-e	1800	Nat CAE-75	1000	12
Montgomery Drlg	3					
SOLANO						
Atlantic Oil	7	dsl	1020	Nat T32	450	7.5
Bawden Drlg	23	d-e	1700	Emsco A800WE	1000	14
Loffland Bros	232	dsl	1000	MC U15	1000	12
Monterey Drlg	D	d-e	700	S/B N75	700	10
Owens Serv, Jack	6	dsl	300	Idco H35	300	4
	8	dsl	1800	RMI 750	870	10
SONOMA						
Brinkerhoff-Signal	81	d-e	2100	Oiwl 760E	2100	16
	83	d-e	2000	Emsco D3	2000	16
Loffland Bros	27	d-e	2160	MC U20	2200	17
	105	d-e	2160	MC U914EC	2200	18
	306	gas	1150	S/B N95	1300	17
TEHAMA						
Hunnicutt Camp Drlg	1	dsl	950	Nat T32	320	9
VENTURA						
Bawden Drlg	10	d-e	2300	Oiwl 940E	1500	18
	24	d-e	1550	Nat 80E	1000	14
Cal Pacific Drlg	3	d-e	1200	Sup 700UE	700	10
	7	d-e	950	Sup 700UE	700	7.5
Kenai Drlg	29	dsl	1200	Wils Giant	1200	10
	30	dsl	800	Idco H40	400	6.5
Loffland Bros	16	dsl	1900	MC U914C	2000	18
	212	gas	2000	MC U914A	1600	18
Monterey Drlg	A	d-e	1000	Idco 1040E	2000	18
Montgomery Drlg	1	d-e	3200	Nat 1320UE	3645	25
	2	d-e	2000	Oiwl 940E	3000	18
Republic Drlg	20	dsl	2400	S/B N95	1800	18
	21	dsl	2100	Nat 55	1200	12
YOLO						
Atlantic Oil	14	dsl	1020	Idco H		6.5
Owens Serv, Jack	2	dsl	200	Idco H38	350	4
	7	dsl	1100	Coop 350	450	7.5

COLORADO

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
UNDESIGNATED						
Bow Island Drlg	37	dsl	278	W-N 2000	175	3
	38	dsl	278	W-N 2000	175	3
Toltek Drlg	1	dsl	440	S/B N4	440	8.5
ADAMS						
Allison Bros Drlg	1	dsl	500	Idco BIR800	800	12
Exeter Drlg Northern	23	dsl	500	MC U15	750	8.7
Gibson Well Serv, J W	98	dsl	700	Sup	700	10
Western Well Drlg	3	dsl	350	Fail	350	4
BACA						
Murfin Drlg	22	dsl	600	Nat 370	600	7.5
BOULDER						
Exeter Drlg Northern	22	dsl	500	MC U15	750	9.5
Tower Drlg	2	dsl	1000	Troy 600	600	10
CHEYENNE						
Gibson Well Serv, J W	93	dsl	450	Cbot M1287	450	6
Murfin Drlg	14	dsl	400	Nat T45	700	8.5
Sage Drlg	1	dsl	350	Nat T32	500	7

COLORADO (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
DOLORES						
Arapahoe Drlg	4	g-b	700	Nat 50A	500	12
GARFIELD						
Four Corners Drlg	3	dsl	1500	Crdw KB500	700	8
Veco Drlg	1	dsl	400	Fail 90	400	5
	5	dsl	1400	OIME 750	950	11
HUERFANO						
Nicor Drlg	38	dsl	1150	G-D 500	850	11
KIOWA						
Murfin Drlg	25	dsl	800	Nat 370	800	7.5
KIT CARSON						
Antelope Drlg	1	dsl	800	Cbot Comet 50	500	8.5
Murfin Drlg	27	dsl	475	S/B N48	580	10
LA PLATA						
Exeter Drlg	49	dsl	800	Nat 50	800	10.5
Exeter Drlg Northern	48					
Four Corners Drlg	8	dsl	1500	Crdw KB500	750	8
LARAMIE						
Toltek Drlg	2	dsl	680	Nat 50A	875	10.5
LINCOLN						
Murfin Drlg	26	dsl	475	S/B N42	580	10
LOGAN						
Exeter Drlg Northern	5	dsl	300	MC U34D	300	8
	13	dsl	350	S/B N4	300	8
	33	dsl	500	MC U15	750	8.5
Toltek Drlg	4	dsl	440	MC U34	440	7.5
MESA						
Loffland Bros	12	dsl	840	Idco Hydrair H44CSC	888	10
Veco Drlg	3	dsl	850	MC U36A	700	9
	6	dsl	1400	OIME 750	950	11
	8	dsl	800	S/B 45	750	10
MOFFAT						
Atco Drlg	5	dsl	326	Nat T32	326	7.5
Rio Grande Drlg	2	dsl	1000	Nat 80B	1500	16
Simmons Drlg	33			MC U36A	600	10
MONTEZUMA						
Loffland Bros	26	d-e	2000	MC U36	1800	11
MORGAN						
Allison Bros Drlg	2	dsl	500	Crdw KB500	600	8
Exeter Drlg Northern	4	dsl	375	Nat T32	460	7.8
PROWERS						
Murfin Drlg	12	dsl	400	Beth C50	600	8
RIO BLANCO						
All Western Drlg	4	dsl	1500	Sup 700	750	10
Cardinal Drlg	4	dsl	580	Emsco GB350T	760	8.5
Manning, R L	11	dsl	720	Nat 370	720	8.5
	19	dsl	925	Beth M58	980	10
	20	dsl	1050	Emsco J1000	1290	14
Nicor Drlg	44	d-e	1500	G-D 500E	650	11
Parker Drlg	56	dsl	1000	OIME SD5	1000	12.5
	148	dsl	1000	OIME 750	1000	13
Shelby Drlg	53-E	d-e	1900	Nat 370ESCR	700	10
RIO GRANDE						
Dual Drlg	34	d-e	2000	Emsco D3	1000	18
WASHINGTON						
Allison Drlg	3	dsl	360	Crdw KB500	380	7.5
Gibson Well Serv, J W	75	dsl	450	Crdw KB500	450	8
WEBB						
Toltek Drlg	3	dsl	680	S/B N4A	440	8.5
WELD						
Allison Bros Drlg	7	dsl	500	Idco BIR800	900	12
Exeter Drlg Northern	1	dsl	500	Nat 50A	750	9.5
	2	dsl	375	Emsco GA250	460	7.5
	6	dsl	330	Nat T20	300	8
	12	dsl	500	Nat T45	750	9.5
	14	dsl	375	Beth C50	600	7.8
	25	dsl	375	MC U15	500	8.5
	40	dsl	500	MC U15	750	9.5
Harpel Drlg	7					
Tower Drlg	1	dsl	550	Mac 400	400	8.5
	3	dsl	800	S/B N45	500	9
	4	dsl	800	S/B N48	800	10

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - In. Pipe, 1000 Ft. •
COLORADO (Cont'd)						
YUMA						
Western Well Drlg	1	dsl	350	Midway 2000	350	2.5
	2	dsl	350	Fall H2000	350	3.5
FLORIDA						
COLLIER						
Penrod Drlg	106	dsl	1575	Nat 80B	1760	15
	108	dsl	1000	Nat 80B	1760	15
SANTA ROSA						
Dual Drlg	22	dsl	2700	Nat 1320M	2000	28
Penrod Drlg	15	dsl	3000	G-D 2100	2200	30
IDAHO						
BEAR LAKE						
Parker Drlg	92	dsl	1850	Nat 100M	1850	16
CARIBOU						
Lofland Bros	57	d-e	1800	Nat 80B	2000	16
Parker Drlg	112	dsl	3000	Idco E3000	3000	30
CLARK						
Molen Drlg	6	d-e	3000	Emsco C1 Type II	2000	22
ILLINOIS						
UNDESIGNATED						
Gallagher Drlg	4	dsl	500	Beth S45E	475	6
CLAY						
Precision Expl	3	dsl	400	Nat T16	470	6
Smith Drlg	11	dsl	450	Nat T20	450	6
Wilson Inc, Les	12	dsl	500	Idco H35	400	5
EDWARDS						
Mitchell Drlg	3	dsl	400	MAC 300	300	4.2
Precision Expl	4	dsl	400	Nat T20	400	6
Smith Drlg	9	dsl	320	S/B N4	450	6
Wilson Inc, Les	17	dsl	500	Idco H37	550	6
FAYETTE						
Smith Drlg	7	dsl	500	G-D 2500	360	3
HAMILTON						
Big Seven Drlg	7	dsl	450	Emsco GB250	400	6
Smith Drlg	3	dsl	320	S/B N4	550	6
JEFFERSON						
Mitchell Drlg	9	dsl	600	G-D 500M	600	10
LAWRENCE						
Smith Drlg	12	dsl	500	Chal M320	425	5
RICHLAND						
Precision Expl	1	dsl	400	Nat T20	470	6
	5	dsl	400	Nat T20	385	6
WABASH						
Davis Drlg	1	dsl	300	Wils Mogul 38	300	3.5
WASHINGTON						
Oetze, Elmer Jr	1	dsl	475	Lee 650	475	8.5
	2	dsl	475	W-N 25040	380	6
	3	dsl		W-N S34A	160	5
	4	gas		Crdw HL	140	4
WAYNE						
Barr Drlg	1	dsl	671	Nat T12	335	4.5
Mitchell Drlg	5	dsl	400	S/B N4	400	6
Precision Expl	2	dsl	400	WEIS W-45	400	6.5
Wilson Inc, Les	15	dsl	500	Idco H35	400	5
WHITE						
Harris Drlg	4	dsl	500	Nat 50	380	6
Mitchell Drlg	6	dsl	400	Wils Super 38	400	6
Wilson Inc, Les	11	dsl	300	Idco H35	450	5
INDIANA						
UNDESIGNATED						
Kendall Drlg	3	dsl	450	S/B N4	300	5.5
DUBOIS						
Mitchell Drlg	4	dsl	400	S/B N4	400	6
GREENE						
Smith Drlg	2	dsl	250	Nat T8	320	3
KNOX						
Gwaltney Drlg	7					

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - In. Pipe, 1000 Ft. •
INDIANA (Cont'd)						
POSEY						
Kendall Drlg	2	dsl	450	S/B N4	360	5.5
Mitchell Drlg	1	dsl	400	Beth SH45	400	6
VANDERBURGH						
Harris Drlg	1	dsl	500	Nat T12	360	4
J-V Drlg	8	dsl	145	Speedstar SS15S	145	1.6/ 3.5**
	9	gas	85	Cbot	85	6/ 2.88**
VERMILLION						
J-V Drlg	6	dsl	145	Speedstar SS15S	145	1.6/ 3.5**
WARRICK						
Gwaltney Drlg	1	dsl	300	Nat T12	225	3
KANSAS						
UNDESIGNATED						
Abercrombie Drlg	12	dsl	365	Beth Freeze	300	5.5
Bergman Drlg	1	dsl	350	Emsco	350	5.5
Rains & Williamson Oil	4	dsl	400	S/B N4	450	5.5
	5	dsl	400	Idco H40	525	7
	11	dsl	300	S/B	500	4.5
Ram Drlg	5	dsl		Nat T16		8
Sweetman Drlg	1	dsl	800	Nat 370	800	9
BARBER						
Allen Drlg	5	dsl	525	Nat 370	800	7
Beredco	2	dsl	525	Nat 370	575	7
Damac Drlg	1	dsl	350	Wils Giant	350	6
Leben Drlg	7	dsl	500	G-D 3000	500	7
Wheatstate Oilfield	1	dsl	340	Idco H35	525	6
	2	dsl	450	Mini-Max 15	450	6.5
BARTON						
Abercrombie Drlg	11	dsl	600	Emsco 360	700	7.5
Allen Drlg	3	dsl	375	Idco H25	480	5
J W Drlg	1	dsl	370	MC U15	370	6
Lauck Oil	2	dsl	350	S/B N45	400	6
Ram Drlg	4					
Red Tiger Drlg	4	dsl	700	Idco H35	700	5.5
Rockhold Engr	3	gas		Crdw RL	150	
BUTLER						
Brandt Drlg	3	dsl	350	W-N R4	330	3.5
Edco Drlg	7	dsl	475	Crdw KB200	375	4.5
Range Drlg	1	dsl	380	Cbot SAL4500	440	3.5
White & Ellis Drlg	4	dsl	300	Emsco GA250	300	5
	5	dsl	300	Emsco GA150	475	4
CHAUTAUQUA						
Edco Drlg	6	dsl	125	Davey	235	7.5
CLARK						
Eagle Drlg	1	dsl	600	Nat 370	650	7
H30 Drlg	12	dsl	300	Crdw V450	525	6.5
Murfin Drlg	19	dsl	525	Wils Super Mogul 42	525	6.5
Pickrell Drlg	1	dsl	450	MC U15	450	6.5
Rine Drlg	8	dsl	700	S/B N55	700	8.5
Sage Drlg	9			Nat T32		6.5
Zenith Drlg	6	dsl	800	Emsco 350	400	9
CLARKE						
Aldebaran Drlg	3	dsl	525	Idco	600	7.2
COFFEY						
Edco Drlg	2	dsl	375	Sullivan 300A	318	3
COMANCHE						
Aldebaran Drlg	2	dsl	525	Nat T32	500	7.2
COWLEY						
Edco Drlg	4	dsl	375	Sullivan 300	375	3
Range Drlg	2	dsl	350	Wils Giant	350	5.5
	3	dsl	350	MC U10A	350	5.5
White & Ellis Drlg	3	dsl	345	Nat T12	345	4.5
DECATUR						
Murfin Drlg	2	dsl	400	Nat T32	400	6
ELLIS						
Allen Drlg	4	dsl	375	Nat T16	525	5
Big Springs Drlg	3	dsl	450	S/B N4	450	5
Red Tiger Drlg	9	dsl	700	MC U10	700	6
	10	dsl	700	TSM 6000	700	7
FINNEY						
Cheyenne Drlg	8	dsl	600	Jeth 450T	750	85
GEARY						
Kansas Drlg & Well Serv	5	dsl	750	Crdw KB200C	40	6

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - In. Pipe, 1000 Ft. •
KANSAS (Cont'd)						
GOVE						
Murfin Drlg	21	dsl	375	Idco H35	475	6.5
Slawson Drlg	1	dsl	360	Idco H35	360	5.5
White & Ellis Drlg	9	dsl	410	S/B N46	750	10.5
GRAHAM						
Abercrombie Drlg	4	dsl	365	Idco H35	365	8
	6	dsl	365	Beth S50	365	5.5
Big Springs Drlg	2	dsl	360	Nat T32	360	5.5
Rockhold Engr	7	gas		W-N	200	
Stoeppelwerth Drlg	2	dsl	375	Emsco 250	375	4.5
GRAY						
Cheyenne Drlg	1	ds.	450	Ofwl 52T	525	6.5
HARPER						
Rains & Williamson Oil	3	dsl	525	Crdw J350	525	6.7
HASKELL						
Damac Drlg	8	dsl	400	Idco H35	450	7.5
H30 Drlg	3	dsl	280	Idco H40	312	8
Sage Drlg	3	dsl	350	Idco H40	500	8
KEARNY						
Zenith Drlg	7	dsl	600	S/B N4	400	6.9
KINGMAN						
Allen Drlg	2	dsl	375	Nat T32	525	5
Brandt Drlg	2	dsl	350	Nat 370	800	7.5
H30 Drlg	2	dsl	280	MAC 400	312	8
Pickrell Drlg	10	dsl	370	MC U15	370	5.5
White & Ellis Drlg	7	dsl	300	MC U34	475	4
KIOWA						
Abercrombie Drlg	6	dsl	365	Idco H35	365	6
Freeman Drlg	1	dsl	525	Idco H40	800	8.5
FWA Drlg	32	dsl	600	Wils Mogul 42	375	6
Gabbert-Jones	9	dsl	310	Nat T32	450	6
Lauck Oil	1	dsl	350	MC U15	400	6
LANE						
Beredco	3	dsl	500	MC U15	800	7.5
Galloway Drlg	1	dsl	300	Nat T32	300	5
Murfin Drlg	23	dsl	375	Idco H35S	475	6.5
Slawson Drlg	2	dsl	360	Idco H35	360	5.5
White & Ellis Drlg	10	dsl	410	Beth S45E	410	5
LOGAN						
Abercrombie Drlg	5	dsl	750	Idco 725	600	10
Slawson Drlg	3	dsl	480	Idco H35	480	7
MARION						
Berentz Drlg	1	dsl	350	Nat T12	350	3.5
Kansas Drlg & Well Serv	1	dsl	365	Cbot 1058	300	4
MEADE						
Damac Drlg	2	dsl	350	Wils Giant	350	6.6
MORTON						
Gabbert-Jones	11	dsl	310	Nat 370	450	6
Zenith Drlg	1	dsl	800	S/B N7A	400	10.5
NESS						
Abercrombie Drlg	9	dsl	365	Beth Breeze	365	5.5
Aldebaran Drlg	4	dsl	550	S/B N42	500	7.2
Allen Drlg	1	dsl	450	Nat T32	525	5
H30 Drlg	7	dsl	280	MC Mac400	312	8
Rains & Williamson Oil	2	dsl	450	Ofwl 52-T	450	6.7
White & Ellis Drlg	8	dsl	410	Emsco 350	750	7.5
OSBORNE						
Rains & Williamson Oil	9	dsl	300	Beth	300	4.5
Red Tiger Drlg	8	dsl	700	Emsco GA250T	700	5.5
PAWNEE						
Murfin Drlg	15	dsl	400	Idco H35	475	6.5
PHILLIPS						
Red Tiger Drlg	7	dsl	700	Emsco GA250T	700	5.5
PRATT						
Aldebaran Drlg	1	dsl	525	S/B N42	600	7.2
Graves Drlg	1	dsl	100	S/B N4	400	5
H30 Drlg	5	dsl	312	Idco H35	510	6.5
Ram Drlg	3	dsl	360	Nat T12	360	4
Red Tiger Drlg	6	dsl	700	Idco H35	700	6
RAWLINS						
Murfin Drlg	3	dsl	400	Nat T25	400	6
Ram Drlg	1	dsl	1800	Idco HD35	1800	8
Stoeppelwerth Drlg	3	dsl	500	Nat 370	500	6.5
RENO						
Red Tiger Drlg	1	dsl	700	MC U15	700	6

• Contractor	Type Power • Rig No. •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
KANSAS (Cont'd)					
RICE					
Blackstone Drlg	3 del	300	BDW 450T	300	5
Red Tiger Drlg	3 del	700	Idco H35	700	5.5
ROOKS					
Abercrombie Drlg	7 del	365	MC U34	365	5
Buffalo Drlg Inc	1 del	500	S/B N4	400	6
H30 Drlg	11 del	280	Idco H30	312	5.5
Murfin Drlg	8 del	400	Mac 400	400	6
Ram Drlg	11				
Red Tiger Drlg	2 del	700	Emsco GA250	700	5.5
RUSSELL					
Ram Drlg	9				
Red Tiger Drlg	5 del	700	Unit U15	700	6
White & Ellis Drlg	2 del	425	Emsco GA250	475	4.5
SALINE					
Big Springs Drlg	1 del	360	Beth S4513	360	5
Blackstone Drlg	4 del		BDW	450T	4
McAllister Drlg	10 del	300	S/B N4	300	60
SEDGWICK					
McAllister Drlg	9 del	300	Idco H30	300	5.5
R R A Inc	1 del	335	Coop 350	325	6.5
SEWARD					
Bohannan Drlg	1 del	750	Idco 725	750	8.5
Cheyenne Drlg	4 del	600	Nat 370	600	8.5
Gabbert-Jones	8 del	450	Nat T32	450	6
Service Drlg	14 del	400	PR-1000	800	9
Slawson Drlg	4 del	6500	Idco H35	360	6
Zenith Drlg	2 del	400	Emsco 350	400	9
	4 del	1200	U15	800	13.5
STAFFORD					
Damac Drlg	7 del	550	S/B N4	375	6
Rains & Williamson Oil	7				
Wheatstate Oilfield	3 del	340	Emsco 250	425	5
	4 del	525	Emsco GB160	525	4
STANTON					
Beredco	4		Idco 525		
STEVENS					
N R G Drlg	2				
Ram Drlg	2 del	1800	Nat T12	1800	5
SUMNER					
Kansas Drlg & Well Serv	4 del	750	KREMCO K600	500	7
TREGO					
Abercrombie Drlg	1 del	365	MC U34	365	5
	10 del	365	Cbot Tri Mid	220	4.5
Murfin Drlg	16 del	400	Emsco S45E Beth	400	6
WASHINGTON					
Grace TRG Drlg	14 d-e	2000	G-D 1100E	2400	18
KENTUCKY					
UNDESIGNATED					
Gallagher Drlg	5 del	300	Nat T12	310	3.5
	7 del	350	Nat T20	475	5
DAVIESS					
Kendall Drlg	1 del	450	Nat T12	300	4.0
HENDERSON					
Big Sevon Drlg	11 del	360	Emsco GB160	335	4
Crescent Drlg	8 del	525	Emsco 545B	420	5
Mitchell Drlg	7 del	400	Idco H35	400	6.5
HOPKINS					
W W Corp	1 del	450	G-D 3000	450	5
JOHNSON					
Ray Resources	6 del	450	Idco DIR7015	700	8
MUHLENBERG					
Crescent Drlg	1 del	840	Beth S45E	420	7.5
WEBSTER					
Crescent Drlg	4 del	525	Emsco 545A	420	5
WHITLEY					
Norman Drlg, James R	1 del	750	I-R	450	2.5
LOUISIANA					
UNDESIGNATED					
B-E Drlg	1 del	900	Emsco A500	900	10

• Contractor	Type Power • Rig No. •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
LOUISIANA (Cont'd)					
UNDESIGNATED (Cont'd)					
Bailey Drlg	2 del	2000	Nat 80B	1950	14
Continental Drlg	3 d-e	2600	Idco E1700	1700	19
Culver Drlg	10 del	1500	Nat 110	1500	16
	14 del	2400	MC U814	2400	16
D B Drlg	10 del	720	S/B N4	450	8
Justiss Oil	27 del	700	Beth MC450	900	12
	38 del	2600	Emsco J1100	2600	20
Noble Drlg	OW-21 s-s	3300	Olwl E2000	3300	25
	OW-31 el	3135	Olwl E3000	3135	25
Santa Fe Drlg	130 d-e	3400	Emsco C311E	3000	25
Transcontinental Drlg-Magnolia	1 del	360	Emsco GB250T	350	6.5
	23 del	1000	S/B N75	1000	12
	83 del	1000	G-D 800	1000	15
ACADIA					
Bailey Drlg	6 del	3000	Nat 110M	3000	18
	21 del	500	Emsco J750	800	11
Cliffs Drlg	43 d-e	2600	Nat 1320UE	3300	25
Grey Wolf Drlg	6 d-e	3000	Emsco C11	2000	25
Harris Well Serv	34 del	316	Idco H35	316	7.5
Power Rig Drlg	20 del	1850	Idco E900	900	13
ALLEN					
Comet Drlg	10 del	1700	Cbot 900	900	10.5
Delta Drlg	31 del	2300	Emsco C1 Type III	2592	20
	35 d-e	2600	Emsco C1 Type II	3100	20
Grey Wolf Drlg	9 d-e	3000	Emsco CZ11	2000	25
Harris Well Serv	31 del	316	Coop LTD350	316	7.5
ASCENSION					
Bailey Drlg	7 del	1200	G-D 800	1200	11
Loffland Bros	167 del	2160	MC U814C	2400	20
ASSUMPTION					
CRC Mallard Well	11 del	800	Wils 90	800	11
	12 del	800	Wils 90	800	11
Goldrus Drlg	11 del	1500	S/B N12A	2000	16
Harris Well Serv	32 del	316	Idco H35	316	7.5
Wilson Bros Drlg	6 del	2800	Nat 1320	2700	30
AVOYELLES					
Helmerich & Payne	71 del	1830	Nat 1320M	1830	23
Rebel Rig #3 Ltd	3 del	500	Idco H30	400	9
Wilcox Drillers	5 del	700	Beth S45E	550	8.5
BATON ROUGE					
Penrod Drlg	110 del	1800	Nat 1625M	2200	30
BEAUREGARD					
American Well Serv & Drlg	11 del	1700	S/B H14610A	575	8
Woolf & Magee	4 del	850	Idco H35	500	10
	11 del	850	Beth S45E	500	9.5
BIENVILLE					
Butler-Johnson	1 del	1900	S/B N85	1900	15
Exeter Drlg Southern	45 del	2000	G-D 700	1000	12.5
Henley Drlg	6 del	2000	Emsco D3	1850	15
Noble Drlg	E553 del	800	Emsco A550	800	12
BOSSIER					
Butler-Johnson	5 del	1800	S/B N95	1800	20
D B Drlg	27 del	1500	Nat 50A	1000	11.5
Nowotny & Conley Drlg	2 del	2000	OIME SL-1000	1200	15
Sawyer Drlg & Serv	4 del	1000	S/B N7	1000	12.5
	9 del	800	S/B N45-M	800	10
	12 del	900	Wils Giant	900	12
CADDO					
D B Drlg	28 del	1650	Emsco EDA	1650	15
	29 del	1100	Nat 75	1100	13.5
	30 del	1100	Beth 450	1100	12.9
Lagersen Drlg	6 d-e	2000	Idco 2500E	2500	22
Whitess Drlg	1 d-e	3200	Emsco C2 Type II	2000	25
CALCASIEU					
American Well Serv & Drlg	14 del	1700	S/B H14610A	575	10.5
Challenger Drlg	21 del	900	S/B N75	1000	12
Comet Drlg	14 del	2600	G-D 1500	2600	25
	16 d-e	2700	I-R 2550HL	1500	16
Goldrus Drlg	2 d-e	2000	Olwl E2000	2000	25
	9 del	1750	Beth M810	1560	16
Grey Wolf Drlg	10 del	2000	Emsco C1	2000	16
Loffland Bros	330 del	2400	MC U1220	2775	22
Moran Bros	174 del		Nat 110M		18
Nicklos Drlg	71 d-e	2900	Olwl E2000	2000	25
Nicor Drlg	4 del	2000	G-D 800	1000	15
	68 del	2100	MC U712A	1200	16
	79 d-m	2000	G-D 700M	700	14
Woolf & Magee	12 del	850	Idco H35S	500	10

• Contractor	Type Power • Rig No. •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
LOUISIANA (Cont'd)					
CALDWELL					
H & S Drlg	2 del	1700	S/B N95	2145	14
Sawyer Drlg & Serv	5 del	1500	S/B N75	1500	13
	10 gas	1200	Whin 1000	1200	13
CAMERON					
Bailey Drlg	8 del	2000	Nat 110M	1500	20
Butler-Johnson	4 del	1200	S/B N75	1200	12.5
CRC Mallard Well	15 del	1300	Wils 90	800	14.5
	17 del	1300	Wils 90	800	14.5
	19 del	1300	Wils 90	800	14.5
Delta Drlg	97 del	2000	Emsco J1100	1560	16
Great Southern Oil & Gas	5 del	500	Wils	310	6
Grey Wolf Drlg	2 d-e	3000	Emsco C11	2000	25
	4 del	1500	Emsco GB800	800	12.5
	5 d-e	3000	Emsco EDA	2000	25
Harris Well Serv	34 del	600	Cbot 750	900	8
Power Rig Drlg	14 d-s	3200	Idco E2100	4161	25
	18 del	3200	Emsco C2	2000	25
	23 d-e	2000	Emsco C2	2000	30
CASS					
D B Drlg	18 del	174	Schl SCR300	1240	12.5
CATAHOULA					
D & D Drlg	2				
	5 del	700	Beth S45E	500	8
Justiss Oil	15 del	450	Beth 45E	300	6.5
CLAIBORNE					
Butler-Johnson	8 del	2300	G-D 1500	2200	20
Nowotny & Conley Drlg	1 del	2000	OIME SL-1000	1200	15
Sawyer Drlg & Serv	14 del	540	Duggan DBS	540	9.5
CONCORDIA					
Justiss Oil	17 del	350	Beth S45E	350	7.5
Murco Drlg	58 d-s		Sup 4000E		54
New Drlg, David	5 del	400	S-H 5000	400	6
DE SOTO					
Sawyer Drlg & Serv	8 gas	1100	S/B N7	1100	11.5
EAST BATON ROUGE					
Goldrus Drlg	10 del	1250	Beth MA810	1176	13
Helmerich & Payne	73 d-e	2835	Olwl 3000M	3400	30
Loffland Bros	21 d-e	3200	MC U1220EBD	2500	30
Nicor Drlg	32 d-e	2700	MC 1220EB	2000	25
Penrod Drlg	4 del	3425	Emsco C3	2200	30
	5 d-e	3425	Emsco C3	3200	30
EAST FELICIANA					
Goldrus Drlg	6 d-e	3400	Olwl E2000	1700	20
EVANGELINE					
Comet Drlg	8 del	1700	Cbot 1200	1200	13.5
Wilson Bros Drlg	10 del	2200	Nat 110	2100	20
IBERIA					
Great Southern Oil & Gas	37 del	1000	Idco	836	10
Harris Well Serv	28 del	316	Idco H35	316	7.5
Power Rig Drlg	8 del	800	Emsco D2	680	11
Resource Drlg	RD17 del	1560	Nat 80B	1835	14
Wilson Bros Drlg	7 del	1400	Nat 80B	1400	12.5
IBERVILLE					
Bailey Drlg	1 del	1500	S/B N75	950	12
Drillers	5 del	900	MC U15M	1200	11
Great Southern Oil & Gas	42 del	985	Idco	836	10
Grey Wolf Drlg	7 d-e	3000	Emsco C11	2000	25
Harris Well Serv	25 del	632	Idco H44	632	10
	27 del	316	Idco H35	316	7.5
	29 del	316	Idco H35	316	7.5
Resource Drlg	RD7 del	1560	Nat 80B	1835	14
JACKSON					
Butler-Johnson	15 del	1000	Nat 80B	1950	15
Dual Drlg	11 del	1850	Olwl 990	1400	18
JEFFERSON					
Comet Drlg	12 del	1700	Cbot 1200	1200	13.5
JEFFERSON DAVIS					
American Well Serv & Drlg	15 del	1700	S/B DH14610	900	12
Harris Well Serv	33 del	900	Idco H44	900	10
Loffland Bros	116 d-e	3300	MC U1220EBD	3300	30
LA SALLE					
D & D Drlg	3 del	875	S/B N45	530	8.5
Justiss Oil	37 del	200	J-M500	225	5
	39 del	300	J-M 6500	400	8.5

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½" In. Pipe, 1000 ft.
LAFAYETTE						
Cliffs Drlg	30	dsl	2800	Nat 1320	2475	25
Delta Drlg	16	dsl	2800	Nat 130	2250	25
	47	dsl	2300	Nat 130	2250	20
	78	d-e	3200	G-D 3000RE	4800	30
	85	d-e	2900	Emsco C2 Type II	3456	25
Grey Wolf Drlg	8	d-e	3000	Emsco C2 Type II	2000	25
JFP Well Serv	6	dsl	2000	Oilwell E2000	2000	25
M G F Drlg-Lafayette	41	dsl	1800	Oilwell 96	1600	15
	42	dsl	1500	Oilwell 96	1500	16
	44	dsl	2000	MC UB14	1500	18
	401	d-e	1600	Nat 320UE	2000	25
Nicor Drlg	15	dsl	2100	Oilwell 76	1000	15
Penrod Drlg	11	dsl	2800	Nat 1320M	3425	25
	14	dsl	3075	S/B N12A	1840	20
	17	dsl	2800	Nat 1320M	3425	25
	27	dsl	2800	Emsco C2	2000	25
Power Rig Drlg	12	dsl	3200	Emsco A1500M	2200	30
	17	d-e	2000	Idco E1700	2400	16
	19	dsl	3000	Emsco C3	3300	30
	22	d-e	2700	Idco E1700	1700	18
LAFOURCHE						
Cliffs Drlg	18	dsl	2800	Nat 110	2475	20
	24	dsl	2800	Nat 1320	2475	25
Comet Drlg	6	dsl	2550	Idco Super 7-11	1700	18
CRC Mallard Well	14	dsl	1300	Wils 90	800	14.5
	16	dsl	1300	Wils 90	800	14
Delta Drlg	56	dsl	2600	Wils Super 250	2592	25
	85	dsl	2300	Emsco C1 Type III	2592	18
Goldrus Drlg	7	dsl	1750	S/B N85	1540	18
	8	d-e	1750	Oilwell 840E	1700	18
Grey Wolf Drlg	3	d-e	3000	Emsco ECB	2000	25
Lofland Bros	145	dsl	2965	MC U1220	2965	20
M G F Drlg-Lafayette	47	dsl	1800	Idco S711	1500	18
Nicklos Drlg	75	dsl	2000	Oilwell 960M	2700	18
Nicor Drlg	11	dsl	2300	MC U1220B	2000	21
LINCOLN						
Butler-Johnson	13	dsl	1200	S/B N75B	1200	13
Rosamond Drlg	6	dsl	1275	Emsco A550	1275	12.3
Sawyer Drlg & Serv	1	dsl	700	S/B N7	700	11
	3	dsl	1100	S/B N7	1100	12
	7	gas	900	Idco 750	900	13
	15	dsl	800	MC U40D	800	14
Wheless Drlg	10	dsl	1800	Emsco C13	1800	16
LIVINGSTON						
Delta Drlg	25	dsl	2300	Emsco C1 Type III	2592	18
Transcontinental Drlg-Jackson	93	dsl	1000	G-D 800	1000	15
NATCHITOCHES						
Nowotny & Conley Drlg	5	dsl	3200	Emsco C3	3000	30
Penrod Drlg	107	dsl	1000	Nat 80B	1760	15
Wheless Drlg	3	dsl	1800	Emsco C13	1800	18
POINTE COUPEE						
Delta Drlg	82	d-e	3200	Emsco C2 Type II	3456	25
Ellay Drlg	2	d-e	2800	Oilwell E2000	2000	25
	4	d-e	3400	Oilwell E3000	3000	30
Goldrus Drlg	22	dsl	1250	Cbot 1000	872	13.5
Helmerich & Payne	83	d-e	2800	Oilwell E2000	2000	26
Murco Drlg	46	d-e	2800	Oilwell E2000	2000	30
Parker Drlg	165	dsl	3000	OIME Hercules 3000E	3000	30
	174	dsl	3000	OIME Hercules 3000E	3000	30
	180	dsl	3000	OIME Hercules 3000E	3000	30
Penrod Drlg	1	dsl	3425	Nat 1625M8	2200	30
	122	dsl	1300	Nat 1625M	2000	25
RAPIDES						
Helmerich & Payne	74	dsl	3300	Oilwell	3885	30
Parker Drlg	215	gas	2200	OIME 1500C	2200	22
RAPIDS						
Justiss Oil	10	dsl	500	S/B N45	600	10
RED RIVER						
Murco Drlg	50	d-e	2200	Oilwell 860E	2000	18
Sawyer Drlg & Serv	13	dsl	400	Wils Giant	400	9
RICHLAND						
Justiss Oil	8	dsl	450	Emsco GA500	900	11
ST BERNARD						
CRC Mallard Well	18	dsl	1300	Wils 90	800	14.5
Nicklos Drlg	32PB	d-e	3400	Oilwell E2000	2000	25
Wilson Bros Drlg	9	dsl	2600	Nat 110	2700	20
ST HELENA						
Transcontinental Drlg-Jackson	14					
ST JAMES						
Comet Drlg	4	dsl	1700	S/B N75	900	12
Dusi Drlg	21	dsl	2250	Emsco C1	1600	22
Power Rig Drlg	11	dsl	2700	Emsco C1	2000	25
	15	dsl	2350	Emsco C1 Type III	1950	16
ST LANDRY						
Goldrus Drlg	1	d-e	2000	Oilwell E3000	3000	30
	4	dsl	1200	S/B N75	1040	14
Harris Well Serv	17	dsl	316	Idco H35	316	7.5
	18	dsl	316	Idco H35	316	7.5
	19	dsl	316	Idco H35	316	7.5
	21	dsl	316	Idco H35	316	7.5
	23	dsl	316	Idco H37	480	8
Nicklos Drlg	77	d-e	1600	Emsco C1B	1530	16
	79	d-e				
	80	d-e	4800	Emsco C3	3000	30
Nicor Drlg	63	dsl	2650	Oilwell 96	1500	18
	78	d-m	2650	Nat 100	750	14
Power Rig Drlg	9	dsl	1850	Emsco D3	1450	14
ST MARTIN						
Bailey Drlg	4	dsl	2900	Nat 1320M	3000	20
Goldrus Drlg	15	dsl	1740	Beth M810	1580	18
Great Southern Oil & Gas	1		550	I-R F800		
Harris Well Serv	22	dsl	316	Idco H35	316	7.5
Helmerich & Payne	41	dsl	1850	Nat 110	1815	22
Nicklos Drlg	78	dsl	1400	Nat 80B	1080	14
	35PB	d-e	3400	Oilwell E2000	2000	25
Nicor Drlg	75	d-m	1750	Cbot 2550TRD	1200	15
Power Rig Drlg	10	dsl	2600	Emsco A1500	1450	30
ST MARY						
Dusi Drlg	28	d-e	3400	Oilwell E3000	2300	30
Goldrus Drlg	20	dsl	1950	Cbot 1200	1054	15
Lofland Bros	103	d-e	3300	MC U1220EBD	3300	30
	114	d-e	3300	MC U1220EBD	3300	30
TANGIPAHOA						
Helmerich & Payne	77	d-e	2200	Nat 110UE	2430	18
TENSAS						
New Drlg, David	7	dsl	400	MC U34	450	7
TERREBONNE						
CRC Mallard Well	20	dsl	1300	Wils 90	800	14.5
Nicor Drlg	202	d-e	2600	Nat 1320UE	2000	23
Penrod Drlg	28	dsl	3425	Nat 1320M	2200	25
	29	dsl	3425	Nat 1320M	2200	25
VERMILION						
Cliffs Drlg	16	dsl	2600	Nat 1320	2475	25
	26	dsl	2000	Nat 110	1650	18
Delta Drlg	93	d-e	2000	Emsco D3 Type II	2592	16
Glendel Drlg	5	d-e	2000	G-D 1100E	2000	1.8
	6	d-e	2000	G-D 1100E	2000	1.8
Grey Wolf Drlg	11	dsl	3000	Oilwell 840	2000	18
Nicor Drlg	34	d-e	2600	MC U1114EC	1500	21
	45	d-e	2700	MC U1220EB	2000	25
	58	dsl	1600	MC U15	700	12
	67	d-e	1700	Oilwell 66OE	700	15
	72	dsl	2600	Nat 1320M	2000	25
	74	d-m	2900	Nat 1320M	2000	25
	77	d-m	2300	Nat 100	750	13
	201	d-e	2600	Nat 1320UE	2000	25
Parker Drlg	175	dsl	3000	OIME Hercules 3000E	3000	30
Power Rig Drlg	16	d-e	2600	Emsco C1 Type II	3084	18
	21	dsl	3500	Emsco C2	2000	25
	24	d-e	3300	Emsco C3	3000	40
Resource Drlg	RD-30	dsl	3105	Nat 1625	3740	30
	RD1	dsl	3105	Nat 1320	3740	25
	RD11	dsl	3105	Nat 1625	3740	30
Resource Drlg	6	dsl	2600	Nat 1625M	2742	30
Wilson Bros Drlg	4	dsl	2600	Nat 110	2700	20
VERNON						
Resource Drlg	RD12	dsl	3105	Nat 1625	3740	30
WASHINGTON						
Chesley Pruet Drlg	6	d-e	2000	Emsco D3	1000	16
WEBSTER						
H & S Drlg	1	dsl	1700	S/B N95	2145	14
Murco Drlg	34	dsl	2200	Oilwell N760	1350	15
WEBSTER (Cont'd)						
Nelson Drlg & Well Serv	2	dsl	1000	S/B N75	1000	13
Penrod Drlg	109	dsl	2000	S/B N75A	1760	16
Rogers Drlg	1	dsl	550	S-H 7000	650	8.3
Wheless Drlg	4	dsl	1800	Emsco 1100	1800	16
WEST BATON ROUGE						
Dusi Drlg	5	dsl	2700	Nat 1320M	2000	25
JFP Well Se	4	dsl	2000	Oilwell E2000	2000	25
Wilson Bros Drlg	14	dsl	2600	Nat 110	2700	20
WEST FELICIANA						
Tenco Drlg	4	dsl	2800	Nat 1320M	2742	25
WILKINSON						
Wilcox Drillers	7	dsl	300	Beth 545A		8
WINN						
Grace Franco Drlg	8	dsl	2400	Oilwell 760E	2400	17

MICHIGAN

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½" In. Pipe, 1000 ft.
BAY						
Bigard Drlg	11	d-e	2000	Idco ED1200	2000	20
EATON						
Escor	5	dsl	949	Idco H35	445	8.5
GRAND TRAVERSE						
Bigard Drlg	9	dsl	1100	Idco H44	800	8.5
	15	dsl	1100	Idco H1000	1000	12
Cactus Drlg	21	dsl	1000	Beth M56	850	11
Escor	4	dsl	500	Idco DI7015	600	7.5
Nicor Drlg	21	dsl	800	Idco H35	400	7
	22	dsl	870	Idco H35	400	7.5
	24	dsl	1185	Idco H525	850	8
	52	d-m	600	S/B DH14210	550	8.4
HILLSDALE						
Bigard Drlg	7	dsl	900	Idco H37	535	7.5
	8	dsl	1100	Idco H44	800	8.5
Scott Drlg, Don	5	dsl	950	Idco H1000	900	10
KALKASKA						
Indril	6	dsl	1125	Idco 700	700	9
LIVINGSTON						
Bigard Drlg	3	dsl	1100	Cbot 550	550	7.5
MANISTEE						
Bigard Drlg	10	dsl	1200	Idco H44	800	8.5
	16	dsl	950	Idco H44	800	8.5
	17	dsl	1100	Wils 75	900	12
Cactus Drlg	17	dsl	1000	S/B N55	850	11
Indril	4	dsl	1000	Coop 550	500	8
MISSAUKEE						
Indril	2	dsl	1200	Idco H37	456	8
MONTMORENCY						
Indril	10	dsl	1200	Idco H1000	1000	12
NEWAYGO						
Bigard Drlg	14	dsl	1100	Idco H1000	1000	12
Indril	9	dsl	2100	Cbot 2550HL	1800	20
OCEANA						
Indril	5	dsl	1200	Idco 1000	1000	12
Nicor Drlg	38	dsl	750	Wils 75	640	9
OSCEOLA						
Cactus Drlg	12	dsl	1000	Oilwell 66	850	10
Indril	7	dsl	1200	Idco H1000	1000	12
OTSEGO						
Cactus Drlg	16	dsl	950	Nat 50A	850	10
Indril	3	dsl	1200	Idco 1000	900	10
	8	dsl	1200	Idco H1000	1000	12
Nicor Drlg	53	d-m	750	S/B DH14210	550	8.4
TUSCOLA						
L & G Drlg	2	dsl	500	Wils 65	600	8
VAN BUREN						
L & G Drlg	1	dsl	398	Idco H35	398	5

MISSISSIPPI

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½" In. Pipe, 1000 ft.
UNDESIGNATED						
Justiss Oil	7	dsl	1800	Emsco J1400	2900	20
	16	dsl	600	Emsco GB	900	12
	22	dsl	1800	Nat 80B	1420	14
	23	dsl	1800	Emsco J1100	2400	20

MISSISSIPPI (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½ - in. Pipe, 1000 ft. Rated Depth With
UNDESIGNATED (Cont'd)						
Justiss Oil	24	dsl	3800	Emsco J1400	3000	22
	26	dsl	940	Emsco GB500	940	12
	34	g-b	700	Beth M58	1000	12
	35	dsl	1250	Emsco J1400	1200	18
Wilcox Drillers	6	dsl	1100	Emsco 550	800	12.5
ADAMS						
D & D Drlg	1	dsl	700	S/B N4A	350	8
New Drlg, David	3	dsl	400	S-H 6000	400	6
	9	dsl	400	S-H 5000	400	5
	15	dsl	1000	Idco 900	1650	16
Rauat Rig #3 Ltd	2	dsl	350	Beth S455	350	8
AMITE						
Helmerich & Payne	84	d-e	1700	Oilwell 760E	760	16
	110					
Penrod Drlg	2	dsl	2600	Emsco C2	3425	25
Woolf & Magee	3	dsl	1450	G-D 700	1275	13.5
CHICKASAW						
Transcontinental Drlg-Jackson	12					
CLARKE						
Marion Drlg	7	dsl	2400	Emsco C1	2400	20
Tesoro Drlg	2	dsl	2600	Nat 1320M	2742	20
CLAY						
Murco Drlg	54	d-e		G-D 1100E		18
FORREST						
Tesoro Drlg	1	dsl	2600	Nat 1320M	2742	25
GREENE						
Par-Co Drlg	3	dsl	700	S-H 7000	500	7
HANCOCK						
Penrod Drlg	112	dsl	1800	Nat 1625M	3000	30
HINDS						
Quarles Drlg	14	dsl	2700	MC U814C	2400	22
JASPER						
Delta Drlg	88	d-e	2800	Emsco Electrohoist II	3456	18
Exeter Drlg Southern	26	dsl	2500	Nat 95	2500	17.5
Grace France Drlg	2	dsl	1700	Oilwell 760	1700	17
Marion Drlg	8	d-e	2400	Emsco C1	2400	20
Murco Drlg	18	dsl	2800	MC U1220	2400	25
Par-Co Drlg	4	dsl	700	Wils 42	500	8
JEFFERSON DAVIS						
Murco Drlg	22	dsl	2400	S/B N86	2400	20
JONES						
Chesley Pruet Drlg	9			Emsco D3 Type II	1000	
	12	dsl	3800	Emsco C2	3800	25
	15	dsl	4800	Emsco C3	4800	30
	16	dsl	3800	Emsco C2	3800	30
Marion Drlg	4	dsl	2400	Emsco C2	2400	25
Murco Drlg	26	dsl	2800	Oilwell N2000-B	3000	30
New Drlg, David	12	dsl	500	Beth	800	12
	14	dsl	2000	Emsco C2	2700	25
Penrod Drlg	24	dsl	2600	S/B N12A	1950	25
Tesoro Drlg	8	dsl	3200	Nat 1320	3800	30
Transcontinental Drlg-Jackson	18					
	84					
	85					
LAMAR						
Marion Drlg	1	dsl	1800	Emsco M810	1800	18
LAWRENCE						
Transcontinental Drlg-Jackson	92					
LOWNDES						
Chesley Pruet Drlg	5	dsl	950	Nat 370	950	12
MARION						
Exeter Drlg Southern	32	dsl	2800	G-D 1500	2800	25
Marion Drlg	2	dsl	2400	Emsco C1	2400	20
PEARL RIVER						
Chesley Pruet Drlg	4	d-e	4000	Emsco C1	2000	25
Delta Drlg	98	d-e	2800	Emsco C1 Type II	3456	20
Helmerich & Payne	75	dsl	3300	Nat 1625M	3845	30
Penrod Drlg	10	dsl	2800	Nat 1320M	3425	25
PIKE						
Murco Drlg	10	dsl	2200	S/B N95	2400	20
PONTOTOC						
Lohmann Drlg	9	dsl	300	Nat T12	300	3.5

MISSISSIPPI (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½ - in. Pipe, 1000 ft. Rated Depth With
RANKIN						
Helmerich & Payne	72	dsl	2835	Oilwell 3000M	2835	30
SIMPSON						
Chesley Pruet Drlg	3	d-e	4000	G-D 1500E	2000	25
Helmerich & Payne	88	d-e	4250	Nat 1625DE	4250	30
Marion Drlg	5	dsl	2400	Oilwell M2000	2400	25
SMITH						
New Drlg, David	8	dsl	1500	Nat 80B	1500	16
	10	dsl	500	Emsco GB500	800	12
SUNFLOWER						
New Drlg, David	11	dsl	500	Emsco GB500	800	12
WARREN						
Exeter Drlg Southern	18	dsl	2600	G-D 1500	2800	25
Penrod Drlg	12	dsl	3850	G-D 1500	2120	30
WAYNE						
Chesley Pruet Drlg	2	dsl	1800	Emsco GB500	1200	14
Murco Drlg	14	d-e	3200	G-D 1500	2800	25
Noble Drlg	E1102	dsl	1870	Emsco A1100	1870	18
WILKINSON						
Energy Drlg	3	dsl	2000	Emsco D3	2000	18
Penrod Drlg	120	dsl	1800	Nat 1625M	3000	30
Transcontinental Drlg-Jackson	91					
YAZOO						
Marion Drlg	6	dsl	3300	Emsco C3	3300	30
Par-Co Drlg	1	dsl	300	Idco H30	300	6

MONTANA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½ - in. Pipe, 1000 ft. Rated Depth With
UNDESIGNATED						
Comanche Drlg Co	2	dsl	430	Idco H30	400	5
	5	dsl	430	Idco H30	400	5
Noble Drlg	814	dsl	1606	Nat 80B	1606	15
CARBON						
Cardinal Drlg	11	dsl	864	BDW 800	1140	14
DANIELS						
Grace Bomac Drlg	31	dsl	630	Bath S45E	370	8
Nicor Drlg	26	dsl	1100	Nat 50A	425	11.5
Spartan Drlg	11	d-m	800	Sup 700	700	11
DAWSON						
True Drlg	22	dsl	1200	Nat 55	1200	13
FALLON						
Atco Drlg	17	d-e	1200	Nat 610E	120	12
Cliffs Drlg	6	dsl	1800	Nat 610	1100	12.5
Dixilyn-Field Drlg	37	dsl	1600	Nat 80UE	2000	15
Spartan Drlg	19	d-m	800	Sup 700	700	11
	26E	d-e	700	Idco 725E	1000	10
FLATHEAD						
Molen Drlg	5	dsl	1200	S/B N46	800	12
Parker Drlg	186	d-e	3000	OIME 3000E	3000	30
GALLATIN						
Cardinal Drlg	17e	d-e	2000	Emsco D3	2000	18
GLACIER						
Anderson-Myers Drlg	8	dsl	1800	Nat 80	1800	16
Simmons Drlg	31	dsl	350	S-H 8000	350	6.5
HILL						
Elenburg Expl	5	dsl	320	W-N CC2000	180	2.5
K B Drlg & Prod	1			Coop		
	2	dsl	350	Wils Mogul	350	5
KIOWA						
Challenger Drlg	31	dsl	1200	S/B N7S	1200	12
LEWIS & CLARK						
Cardinal Drlg	18e	d-e	2000	Emsco D3	2000	18
MADISON						
Cardinal Drlg	10	dsl	1296	Emsco GB800	1296	13.5
MC CONE						
Anderson-Myers Drlg	3	dsl	1200	Emsco G500	1200	11
MUSSELSHELL						
Elenburg Expl	10	dsl	330	Elenburg	430	6
Simmons Drlg	41	dsl	350	Hycalog HH8000	350	6.8

MONTANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½ - in. Pipe, 1000 ft. Rated Depth With
PETROLEUM						
Simmons Drlg	48	dsl	350	Troy M800	350	7.5
PHILLIPS						
Elenburg Expl	8	dsl	320	W-N CC2000	230	2.5
PONDERA						
Elenburg Expl	3	dsl	320	W-N CC2000	230	2.5
POWDER RIVER						
True Drlg	18	dsl	350	Emsco GB250T	350	6.5
	26	dsl	900	Idco H725SC	900	10
RICHLAND						
Brinkerhoff-Signal	10	dsl	1000	MC U40	1000	13
Cliffs Drlg	14	dsl	1200	Emsco J1250	800	15
Enopco	2	dsl	1800	Nat 610	2100	14
Forrest	3	d-e	2000	Idco 1200E	1600	18
Grace Bomac Drlg	46	dsl	1125	Nat 610M	1125	12.5
	55	dsl	1500	G-D 800M	1500	18
Helmerich & Payne	80	dsl	1915	Oilwell 860	1915	18
Noble Drlg	N-84	dsl	1320	Nat 90B	1320	15
ROOSEVELT						
Burris Drlg	115	dsl	1200	Sup 700	850	10
Cardinal Drlg	22	dsl	1554	Nat 80B	1554	15
Drilcon	1	dsl	1125	Beth 460	1125	11
Grace Bomac Drlg	34	dsl	1000	S/B N7	1000	10
ROSEBUD						
Elenburg Expl	11	dsl	430	Elenburg 6000	430	8
Molen Drlg	1	dsl	400	Emsco GB250T	350	6.5
Simmons Drlg	47	dsl	350	Troy M800	350	7.5
SHERIDAN						
Burris Drlg	103	dsl	1000	G-D 700	1000	14.5
Grace Bomac Drlg	37	dsl	1000	G-D 700M	1000	12.5
	39	dsl	1000	S/B N7S	1000	12.5
	54	dsl	1125	Nat 610M	1125	12.5
Noble Drlg	N-810	dsl	1606	Nat 80B	1606	15
	N-89	dsl	800	Nat 80B	800	13
STILLWATER						
Anderson-Myers Drlg	6	dsl	1800	Emsco GB800	1800	18
	11	dsl	1200	Nat 55	1200	13
Atco Drlg	58	d-e	1800	Nat 80UE	1800	18
TETON						
Molen Drlg	4	dsl	1350	S/B N75A	1350	15
TOOLE						
Aikins Drlg	2	dsl	200	B-E	200	3
Comanche Drlg Co	1	dsl	430	Idco H30	400	5
TREASURE						
Anderson-Myers Drlg	4	dsl	1200	Emsco GA500	1200	11
VALLEY						
Burris Drlg	118	dsl	650	MAC 400	500	10.5
Challenger Drlg	1	dsl	900	Emsco BC500	1000	11
	24	dsl	500	S/B N4A	650	8.5
Drilcon	5	dsl	715	Idco H725	700	11
Spartan Drlg	29	dsl	900	Idco H525	900	8.5
Westburne Drlg	59	dsl	1100	Idco M750D	800	10

NEBRASKA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	4½ - in. Pipe, 1000 ft. Rated Depth With
UNDESIGNATED						
Stoeppelwerth Drlg	1	dsl	375	Nat T32	375	5.5
BANNER						
Banner Drlg	5					
DUNDY						
Murfin Drlg	20	dsl	525	Nat 370	600	7.5
HITCHCOCK						
Murfin Drlg	24	dsl	525	Idco H35SC	475	6.5
Rains & Williamson Oil	1	dsl	525	Beth S45-B	450	5.5
KIMBALL						
Exeter Drlg Northern	42	dsl	375	Nat T32	480	7.8
RED WILLOW						
Murfin Drlg	7	dsl	525	Nat T32	480	6
RICHARDSON						
Brandt Drlg	1	dsl	350	Beth S50	450	5

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.

NEBRASKA (Cont'd)

SCOTTS BLUFF

Banner Drlg	4	dsl	400	Apache 25040	375	5

SIOUX

Banner Drlg	3	dsl	500	Nat T45	900	9.5

NEVADA

UNDESIGNATED

Continental Drlg	17	d-e	2600	Idco E1700	1700	19

ESMERALDA

Willbros Drlg	10	d-e	3000	Idco E1700	3000	25

EUREKA

Loffland Bros	211	dsl	1280	MC U15	1000	10
Penrod Drlg	20	dsl	2600	Nat 1320M	1950	25

LANDER

Anderson-Myers Drlg	17	dsl	2300	Nat 110	2300	22

LINCOLN

Anderson-Myers Drlg	7	dsl	1200	Nat 55	1400	13
Penrod Drlg	104		2000	Nat 80B	1760	15

NYE

Brinkerhoff-Signal	9	dsl	550	S/B N45	600	7.5
Cardinal Drlg	2	dsl	864	Emsco GA500	760	10

WHITE PINE

Brinkerhoff-Signal	3	dsl	1000	Nat 55	1000	12
Veco Drlg	7	dsl	1550	OIME 1000	1000	16

NEW JERSEY

SUSSEX

New Jersey Drlg	T5	dsl	400	I-R	400	5

NEW MEXICO

UNDESIGNATED

Ard Drlg	5	dsl	1986	MC U20	1800	15
	6	dsl	1200	MC U15	1200	11.5
	7	dsl	1200	MC U40	1200	14

CHAVES

Exeter Drlg Northern	64	dsl	1035	Unit U15	750	9.5
	65	dsl	1300	Emsco D2	1100	13
L & M Drlg	1	dsl	750	G42	440	7.5
W E K Drlg	3	dsl	450	Emsco S45E	440	6.5
Young Drlg	4	dsl	400	Crdw K500	600	8.5

CIBOLA

Stewart Bros Drlg	52	dsl	324	G-D 15W	324	1.5

DONA ANA

Baytex Drlg	7	dsl	1500	G-D GD700	1200	14
Parker Drlg	184	d-e	3000	OIME E3000	3000	30
Stewart Bros Drlg	45	dsl	324	Fail 2500	324	3

EDDY

Artesia Fishing Tool	1	dsl	400	May 3000	200	4
	2	dsl	500	G-D	500	6
Basin Drlg	5	dsl	900	Emsco D2-M	820	13
Cactus Drlg	1	dsl	2000	Nat 110M	1650	20
	63	dsl	550	S/B N4	454	6
	73	dsl	300	MC U34	454	6.5
Dual Drlg	37	dsl	1800	Owl 500	700	10
Exeter Drlg Northern	66	dsl	1100	BDW 650	750	11
Kenai Drlg	21	dsl	1350	MC U20	1400	15
	22	dsl	700	Emsco J1130	1400	15
	37	dsl	1750	Nat 100M	1500	18
L & M Drlg	2	dsl	750	G-D 3000	380	6
La Rue Drlg	1	dsl	650	Nat T20	500	7
	2	dsl	500	G-D 3000	500	6
Landis Drlg	4	dsl	800	S/B N45	700	10
M G F Drlg-Midland	26	dsl	1725	G-D 1100	1725	19
McVay Drlg	4	dsl	850	Nat 75	850	12
	7	dsl	1200	Nat 75CA	1200	13
Moranco	3	dsl	1100	MC 712A	1000	15
	9	dsl	750	S/B N55	750	11

NEW MEXICO (Cont'd)

EDDY (Cont'd)

Parker Drlg	34	gas	1000	Nat 75	1000	16
	161	gas	1000	Nat 75	1000	16
Rio Colorado Drlg	120		1300	S/B H86A	1700	18
Sharp Drlg	35	dsl	2331	Beth 1013	2742	23
Willbros Drlg	4	dsl	1700	Nat 55	1280	14
	5	gas	1100	Beth 450	1100	13
Wilson Bros Drlg	21	dsl	800	Nat 80B	1425	16

HIDALGO

Dual Drlg	33	d-e	2800	Owl 840	1500	22
Willbros Drlg	1	dsl	1200	Owl 76	1200	14

LEA

Basin Drlg	14	dsl	1470	G-D 700M	1220	14
Cactus Drlg	14	dsl	800	Owl 86	1200	11
	18	dsl	550	Nat T32	850	8
	23	dsl	2000	Nat 110	2550	20
	27	dsl	2200	S/B N20	2550	25
	60	dsl	550	Beth S45E	454	6
	65	dsl	550	S/B N4	454	6
Delta Drlg	60	d-e	1825	Emsco D3 Type II	2582	18
	98	dsl	1500	Wils Giant Roadair	744	12.5
Exeter Drlg Northern	67	dsl	1300	Emsco D2	1100	13
Grace TRG Drlg	404	dsl	800	Coop 750	800	9
Henley Drlg	8	dsl	2000	Emsco D3	1850	15
Howdo Drlg	3	dsl	800	Beth M58C	800	13.5
	4	dsl	1200	S/B N75	1200	14
	5	dsl	800	Nat 55C	800	13.5
	7	gas	750	S/B N55	750	11.5
	12	dsl	1200	G-D 800	1200	15
Kenai Drlg	11	dsl	400	Nat T20	400	6.5
	23	dsl	1800	Emsco JB1250	1400	15
	31	dsl	850	MAC 300	400	7
	36	dsl	850	Wils Giant	800	9
Lanex Drlg	C-8	d-e	1800	BDW 650	650	12
M G F Drlg-Midland	11	dsl	900	Beth M58	900	12.5
	23	dsl	1150	Owl 76	1150	13.5
McVay Drlg	8	gas	1200	Nat 80B	1200	15
	9	dsl	1400	Nat 110	1400	18
	10	dsl	1300	Nat 100	1300	18
Moranco	1	dsl	1100	OIME 1000SL	1000	15
	2	dsl	1100	Emsco GB800	1000	15
	5	dsl	750	MC U15	750	11
	6	dsl	750	S/B M75	750	12
	7	dsl	1100	S/B M75	1000	15
	10	dsl	100	MC	750	11
Parker Drlg	38	gas	1200	Nat 100M	1200	18
	85	gas	1600	Nat 130	1600	23
	90	gas	1800	Nat 130	1800	25
	198	gas	1600	OIME 1500C	1600	22
	211	gas	1000	Nat 75	1000	16
Quarles Drlg	2	dsl	1500	OIME 1000	1000	18
	15	dsl	2000	RMI 1000	1000	15
Resource Drlg	RD6	dsl	2330	Nat 110	2740	18
Rio Colorado Drlg	140	dsl	1200	Nat T45	900	10.5
	142	dsl	1825	Nat 110	1850	18
Rod Ric	2	dsl	450	Beth S45E	400	7.5
	10	dsl	670	Emsco G500	800	8.5
	11	dsl	450	Nat T20	440	7
Sharp Drlg	32	dsl	1185	Emsco 800	1482	16.5
	36	dsl	2331	Beth MC950	2742	22
	48	dsl	790	Beth M58	988	13.5
	52	dsl	1580	Beth M810	1836	19
	62	dsl	1132	Emsco D3	1272	14
	63	dsl	1500	Emsco D3	1836	18
	71	d-e	2331	MC U914EC	2742	23
	389	d-e	1488	MC U712EC	1995	18
Sierra Drlg Co	1	dsl	500	BDW Mtn-Max	800	10
	2	dsl	500	BDW 600	800	10
	3	dsl	500	Emsco D2	1000	13
	4	dsl	500	OIME SL5	1000	15
TMBR Drlg	12	dsl	700	Nat 50	600	10.5
Varna Corp	16	dsl	600	S/B N14	450	6.5
W E K Drlg	1	dsl	770	MC U34	380	7.5
	2	dsl	1200	Idco H35	480	12
Wilson Bros Drlg	19	dsl	800	Nat 80B	1425	16

LEE

Landis Drlg	2	dsl	1000	S/B N75	1350	14

MORA

Grace TRG Drlg	20	d-e	2200	G-D 1100E	2400	18

RIO ARRIBA

Arapahoe Drlg	7	g-b	700	Nat T45	700	10
Four Corners Drlg	2	dsl	1500	Crdw KB500	700	8
	5	dsl	1500	Crdw KB500	700	8
	6	dsl	1500	Crdw KB500	700	8
	9	dsl	1500	Crdw KB500	750	8
	10	dsl	1500	Crdw	750	8
	11	dsl	1500	Crdw KB500	636	8
Loffland Bros	5	dsl	1220	Idco H1000	868	12
Nicor Drlg	41	dsl	2000	G-D 1100M	1500	21

NEW MEXICO (Cont'd)

ROOSEVELT

Norton Drlg	3	dsl	475	Wils 75	850	10.5
Quarles Drlg	4	gas	1400	Emsco GB 500	500	12

SAN JUAN

Arapahoe Drlg	3	g-b	300	Wils Mogul	320	6.5
	6	dsl	300	Nat T32	350	8
	11	g-b	300	Nat T32	320	9
Bayless Drlg	5	dsl	1500	Coop LTO550	550	8.5
Four Corners Drlg	4	dsl	1500	Crdw KB500	700	8
	7	dsl	1500	Crdw KB500	750	8
	12	dsl	1500	Crdw KB500	636	8
LLL Drlg	2	dsl	1720	Cbot 750	880	10
True Drlg	27	dsl	900	Idco H725SC	900	10
Young Drlg	2	dsl	800	Idco DIR70[illegible]	800	8.5

SAN MIGUEL

Baker & Taylor Drlg	19	dsl	870	MC U15	870	11

SANDOVAL

Brinkerhoff-Signal	78	dsl	1s00	Nat 610	1100	12.5

UNION

Baker & Taylor Drlg	18					

NEW YORK

CATTARAUGUS

International Petr Serv	9	dsl	475	Chal Model 320HD	360	4.5
Union Drlg	3					

CHAUTAUQUA

International Petr Serv	4	dsl	475	Wils 42	475	7.5
	7	dsl	475	Chal 320	360	4
	11	dsl		Chal 320	475	4.2
Underwater Gas Dev	3			Chal 320	300	6
	4			Challenger 320	300	6
	8			S/B	400	8.5
Union Drlg	13	dsl	1200	Idco BIR5525	425	6

NORTH DAKOTA

UNDESIGNATED

KCA Drlg	C3	dsl	1200	Nat 80B	1200	12
Noble Drlg	OW-861	dsl	2400	Owl 860	2400	18
Pruet-Ram-Co	1	d-e	2000	Emsco D3	2000	18
	2	dsl	3000	Emsco C1	3000	20
	3	dsl	1800	Emsco D2	1200	15
	5	dsl	1800	Emsco D2	1200	14
Ratliff Drlg	6	dsl	1850	Emsco GB800	1850	17
	15	dsl	1850	Nat 80B	1850	18
Westburne Drlg	63	dsl	1000	OIME SL7	1400	15
	70	dsl	900	Nat 50A	700	10

BILLINGS

Cardinal Drlg	1	dsl	864	BDW 800	1140	14
Drilcon	2	dsl	1176	Nat 80B	1176	14.5
Enopco	4	dsl	1800	Nat 610	2100	14
	7	dsl	2000	Nat 80B	1800	18
Spartan Drlg	25E	d-e	700	Idco 725E	1000	10

BOTTINEAU

Cardinal Drlg	8	dsl	400	Nat T20	440	5.5
	34	dsl	400	Emsco GB180	400	4.5

BOWMAN

Grace Bomac Drlg	41	dsl	700	S/B N7	700	10
Noble Drlg	E551	dsl	800	Emsco A550	800	13
	N-57	dsl	800	Nat 55	800	12

BURKE

Cardinal Drlg	5	dsl	541	Emsco GB250	560	7.5
	14	dsl	560	Emsco GB350	840	8.5
	35	dsl	1120	SOS 6000S	480	7.5
Kenting Drlg	44	dsl	550	Emsco GB350	550	8.5

DIVIDE

Cardinal Drlg	7	dsl	1120	Emsco GB500	864	10.5
Dual Drlg	27	dsl	1200	Emsco D3	1000	16
Kenting Drlg	3	dsl	615	Emsco 500	800	11
Noble Drlg	E552	dsl	800	Emsco A550	800	13
Westburne Drlg	61	dsl	1050	Nat 55	1320	12.5

NORTH DAKOTA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
DUNN						
Anderson-Myers Drlg	18	dsl	2300	Nat 55	1200	13
Atco Drlg	10	d-e	2000	Nat 80UE	2000	16
Grace Bomac Drlg	52	dsl	1500	Nat 80B	1500	16
	58	dsl	1500	Nat 80B	1500	16
GOLDEN VALLEY						
Dual Drlg	3	dsl	1500	Wils 120	1650	15
Grace Bomac Drlg	40	dsl	1000	Oilwl 76	1000	13
Kanting Drlg	6	dsl	1500	S/B N85	1500	15
MC KENZIE						
Blocker Drlg Canada	2	dsl	1000	OIME 1000SL	1500	16
	4	dsl	770	OIME 750SL	1155	14
	11	dsl	1000	Nat 80B	1500	15
	21					9
Brinkerhoff-Signal	1	dsl	1100	G-D 800	1100	13
	65	dsl	1000	Nat 80B	1000	16
	80	dsl	1500	Nat 80B	1500	16
Dixilyn-Field Drlg	35	d-e	1600	Nat 80UE	2000	15
Drilcon	4	dsl	1800	Nat 110	1800	15
Dual Drlg	17	dsl	1550	Beth M58	750	12.5
Forwest	4	d-e	2000	Idco 1200	1800	16
	5	d-e	2000	Nat 80UE	2000	16
Grace Bomac Drlg	30	dsl	1500	Oilwl 96	1500	18
	33	dsl	1500	Oilwl 96	1500	14
	36	dsl	1500	Nat 80	1500	15
	38	dsl	1000	G-D 700M	1000	12.5
	42	dsl	1000	G-D 700M	1000	12.5
	47	dsl	1500	Nat 80B	1500	16
	48	dsl	1500	G-D 800M	1500	16
	49	dsl	1500	G-D 800M	1500	16
	50	dsl	1500	Nat 80B	1500	16
	51	dsl	2250	Nat 110M	2250	20
	57	dsl	1500	G-D 800M	1500	16
	60	dsl	1500	Nat 80B	1500	16
Kanting Drlg	1	dsl	1500	Nat 80B	1500	15
	11	dsl	1200	MC U40	1200	14
	43	dsl	600	Emsco GA500	600	10.5
	47	dsl	800	MC 36A	800	11
	48	dsl	1400	Nat 610	1400	12.5
Noble Drlg	N-811	dsl	1806	Nat 80B	1806	15
Penrod Drlg	105	dsl	1575	Nat 80B	1760	15
Shelby Drlg	54-E	d-e	1000	Nat 370ESCR	650	10
Spartan Drlg	8UE	d-e	1000	Sup 1000E	1000	16
True Drlg	23	dsl	1800	MC U712A	1800	16
Westburne Drlg	62	dsl	1050	Nat 50A	1050	11
MERCER						
Penrod Drlg	103	dsl	1760	Nat 80B	2000	20
MOUNTRAIL						
Brinkerhoff-Signal	77	dsl	1500	G-D 800M	1500	13.5
RENVILLE						
Cardinal Drlg	3	dsl	400	Nat T20	400	5.5
	6	dsl	560	Emsco GB250	440	6.5
	12	dsl	560	SOS 6000	480	6.5
Grace Bomac Drlg	21	dsl	520	Idco H35SC	260	7
SHERIDAN						
Kanting Drlg	2	dsl	1200	MC U40	1200	14
SLOPE						
Grace Bomac Drlg	92	dsl	1000	G-D 700M	1000	12.5
True Drlg	21	dsl	1800	Nat 80B	1800	15
STARK						
Brinkerhoff-Signal	11	dsl	1500	Nat 80B	1500	15
Challenger Drlg	22	dsl	1400	Nat 110	1800	18
WARD						
Grace Bomac Drlg	27	dsl	1010	S/B N55	750	9.5
WILLIAMS						
Blocker Drlg Canada	1	dsl	1000	OIME 1500SL	1500	13
	8	dsl	770	OIME 750SL	1155	14
Burris Drlg	102	dsl	1000	G-D 700	1000	14.5
Cliffs Drlg	36	dsl	1700	Emsco JB1250	1850	16
Drilcon	3	dsl	784	Nat 50A	784	10
Grace Bomac Drlg	25	dsl	1500	Nat 80B	1500	15
	35	dsl	2250	Nat 110M	2250	20
Kanting Drlg	14	dsl	1500	Nat 80B	1500	15
	30-E	d-e	2000	Nat 80UE	1000	15
Nicor Drlg	16	dsl	1550	Oilwl 76	1000	15
	27	dsl	2000	S/B N95	1500	18
	40	d-e	1700	Oilwl 660E	700	12
Noble Drlg	N-82	dsl	1200	Nat 80	1200	15
Shelby Drlg	52	dsl	1500	OIME SL7	1500	18
TMBR Drlg	21	dsl	1100	Nat 75CA	1100	13
	28	dsl	1850	G-D 800	1650	18

OHIO

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ASHTABULA						
P E P Drlg	2	dsl	500	Idco H35S	350	8.5
	3	dsl	650	Nat T45	800	7.5
Underwater Gas Dev	2			I-R T5	400	5
CARROLL						
Armstrong Drlg	30	Air		Wils 42	700	
	51	Air		Wils 42	400	
COSHOCTON						
Mid Atlantic Oil	3	dsl	500	Wils 42	500	8.5
GEAUGA						
P E P Drlg	1	dsl	550	S/B N45	450	7.5
	4	dsl	550	G-D 500	500	7
	6	dsl	550	Idco H35S	350	8.5
LAKE						
Armstrong Drlg	24	Air		Wils 42	400	
International Petr Serv	12	dsl	475	Chal Model 320	360	4
MEDINA						
Armstrong Drlg	12	dsl	380	May 3000	318	4
Miller Contract Drlg	21	dsl	425	S-H 6000	425	7
MEIGS						
Smith Petr, Carl E	7	dsl	320	Idco BIR5525	475	8.5
PORTAGE						
Mid Atlantic Oil	4	dsl		Idco Rmbr	325	5.6/ 5.6"
STARK						
Armstrong Drlg	31	Air		Wils 42	400	
SUMMIT						
Armstrong Drlg	10	dsl	380	May 3000 Port	350	4
	29	Air		Wils 42	400	
TRUMBULL						
Armstrong Drlg	11	dsl	380	Wils Mogul 42	380	7.5
	27	dsl		Wils Mogul 42	280	7.5
WASHINGTON						
Mid Atlantic Oil	1	dsl	400	Idco Rmbr 5525	480	7
	2	dsl	500	Idco Rmbr 5525	480	7

OKLAHOMA

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
UNDESIGNATED						
Arden Drlg	1	d-e	1600	Emsco D2	1200	16
	2	dsl	800	Emsco W[illegible]	800	12
	5	d-e	2400	Emsco D[illegible]	2400	18
	8	dsl	3400	Emsco CE3000	3000	30
Ardmore Drlg	1	dsl	450	Idco H30-D	450	5
	2	gas	700	Wils Giant	700	9
	3	gas	1350	Idco M10000	1350	12.5
	4	gas	600	Wils	400	5
	5			Idco		16.5
Astro Drlg	15	dsl	912	Wils Super Giant	912	10.5
	18	dsl	556	Idco H1000	940	12
	21	dsl	2500	Nat 100	1500	18
	28	d-e-a	2000	I-R 2550	1500	18
ACT Drlg	1	dsl	1750	G-D 6D 860	1000	16
	2	dsl	1750	Nat 125	1950	20
	3	dsl	600	Wils 42	700	10
C E C Drlg	1	dsl	1100	MC U15	800	10
Continental Drlg	1	d-e	3200	Idco E2100	2000	25
	4	d-e	3200	Idco E2100	2000	25
	7	d-e	3200	Idco E3000	3000	30
	8	d-e	2600	Idco E1700	1700	19
	9	d-e	2000	Idco ED1200	1200	18
	10	d-e	3200	Idco E2100	2000	25
	12	d-e	2000	Idco ED1200	1200	18
	13	d-e	2000	Idco ED1200	1200	18
	15	d-e	2000	Idco ED1200	1200	18
	18	d-e	2000	Idco ED1200	1200	18
	32	d-e	2600	Idco E1700	1700	19
	34	d-e	3200	Idco E2100	2100	25
	35	d-e	2600	Idco E1700	1700	19
Cothrum Drlg	15					
	18					
	19					

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
UNDESIGNATED (Cont'd)						
Culver Drlg	2	dsl	700	Nat 50A	700	12
	5	dsl	800	G-D 800	800	16
	7	d-e	2000	G-D 1500	2000	25/ $"
	8	dsl	1200	OIME SL7A	1200	18/ $"
	9	dsl	1800	Nat 110	1800	18/ $"
	22	dsl	800	Coop 750	800	9.5/ 4"
Fossil Drlg	1	dsl	1150	Emsco GB350	800	10
	2	dsl	1350	G-D 500M	900	12
	4	dsl	1300	MC U15	900	12.5
Noble Drlg	GD2	dsl	3135	G-D 2100	3135	25
	OW-23	e-e	3750	Oilwl E2000	2000	25
	OW-842	e-e	2000	Oilwl 840	2775	20
Ratliff Drlg	14	dsl	2640	MC U1220B	2640	28
	20	dsl	3600	UIZZOEB	2500	30
Sandia Drlg	1	dsl	3000	G-D E800	3000	18
	2	dsl	4000	Emsco C1	4000	22
	3	dsl	3000	Emsco D3	3000	18
	4	dsl	4000	Emsco C1	4000	22
	5	dsl	2000	Emsco D2	2000	18
Scott Drlg, Jerry	4	dsl	800	Iseth C50	640	10
TWT Expl	54	dsl				10
Unit Drlg & Expl	5	dsl	800	MC U15	800	12
	26	gas	800	Nat 75	800	15
	27	dsl	1800	G-D 1500	2400	25
	30	dsl	2350	Beth 1350M	1800	20
Vaughn Good Drlg	3	dsl	500	Coop 600	500	9
Westburne Drlg	64	dsl	1500	MC U814C	1680	18
	67	dsl	1800	Oilwl 96	1725	19
	68	dsl	1875	MC U1220	1875	20
	71	dsl	1450	Oilwl 660	1560	18
ATOKA						
Basin Drlg	15	dsl	1000	MC U712AM	1200	17
FWA Drlg	10	dsl	1150	Wils Giant	720	11.5
Lagersen Drlg	4	d-e	2000	Emsco J1100E	2500	22
BEAVER						
Beredco	1	dsl	800	MC U15	900	9
Eagle Drlg	2	dsl	1000	Nat T45	725	9.5
ONEOK Drlg	2	d-e	1410	MC 36A	1000	13
Rine Drlg	4	gas	750	S/B N75	750	12
Slawson Drlg	5	dsl	380	Idco H525	480	7.5
Triad Drlg	1	dsl		Nat T32	475	8
Unit Drlg & Expl	4	dsl	500	MC U15	800	11
Westwood Drlg Co	17	dsl	600	G-D 500	650	9
Zenith Drlg	8	dsl	400	Emsco 350	400	9
BECKHAM						
Arden Drlg	3	dsl	2500	Emsco C1	1500	20
	9	d-e	2000	Emsco D2	1800	14
Atco Drlg Southern	14	d-e	3200	Nat 1320E	2000	22
Big Chief Drlg	37	gas	1350	Emsco J1250	1350	18
	45	dsl	1500	S/B N95A	2250	18
Challenger Drlg	7-E	dsl	900	Nat 80E	1000	14
Grace TRG Drlg	10	d-e	3000	G-D 3000E	3000	30
	11	d-e	2000	G-D 1100E	2400	18
	18	d-e	2200	G-D 1500E	2400	22
	141	d-e	2200	G-D 1500E	2400	22
Halmerich & Payne	49	dsl	1650	Nat 110	1815	18
	78	dsl	1650	Oilwl 760	1815	18.5
Lofland Bros	32	d-e	4000	Emsco CE3000	3300	35
	34	d-e	3500	MC U1220	2500	28
	102	d-e	3300	MC U1220EBD	3300	28
	317	dsl	2250	G-D 1500	2500	24
Moran Bros	34	dsl	1700	Oilwl 760	1000	15
Nicor Drlg	49	d-e	3200	G-D 1500E	2000	25
	99	d-e	3200	MC U1220EB	2500	30
Nowotny & Conley Drlg	6	dsl	3200	Nat 1320UE	2000	12.5
Parker Drlg	54	gas	1800	Nat 130	1800	25
	59	gas	1650	OIME 1500C	1650	20
	167	dsl	1650	OIME SL1500	1650	20
	182	dsl	3000	OIME Hercules 3000E	3000	30
	201	dsl	4800	OIME E4000	4000	50
	212	dsl	3200	OIME 2000	2000	25
Penrod Drlg	8	dsl	2800	Nat 1320M	3425	25
	116	dsl	1300	Nat 1320M	2000	25
	117	dsl	1300	Nat 1625M	2000	25
	129	dsl	1000	Nat 80B	1760	15
	130	dsl	1000	Nat 80B	1760	15
Quarles Drlg	8	dsl	2600	OIME SD 7E	1000	22
Rowan Drlg-US	18	dsl	3200	Emsco A1500	2500	30
Sharp Drlg	39	dsl	2331	Oilwl M2000	2742	30
	40	dsl	1770	Oilwl 96	2025	18
	58	dsl	2319	Oilwl 96	2867	23
Tri-Land Drlg	1	dsl	1500	G-D 1500E	2000	21
Trigg Drlg	8	dsl	1200	Nat 125	1800	20
	9	d-e	2750	Beth 1350MX		22

OKLAHOMA (Cont'd)

Contractor	Type Power	Rig No.	Trdwl HP	Mud Pumps	Drawworks Make And Model	Trdwl HP Available To Drawworks	Rated Depth, With 4½" in. Pipe, 1000 ft.
BECKHAM (Cont'd)							
U R C Drig	4	d-e	1500	MC 914C		1500	22
	5	dsl	2250	MC 1220		2250	25
Unit Drig & Expl	28	d-e	1600	G-D 1500E		2000	25
Westwood Drig Co Gary Jack		d-e	2000	G-D		2000	18
	22	dsl	2000	Emsco E900		2000	15
Wilson Bros Drig	17	dsl	2800	Nat 110		2700	20
BLAINE							
Atco Drig Southern	16	d-e	3200	Nat 110UE		1500	18
Exeter Drig	47	dsl	800	MC U36		600	10.5
	50	dsl	900	S/B X75		900	14
	55	dsl	900	Beth 800		900	15
Grace TRG Drig	1	dsl	1245	Nat 75		1305	14.5
	2	dsl	825	G-D 500M		870	11.5
GraceTRG Drig	142	dsl	1600	Beth 650		1000	12
Rino Drig	7	dsl	750	G-D 700		750	13.5
Santa Fe Drig	SFM 2	dsl	1400	Idco ED400		900	14
	SFM 4	dsl	1550	OIME SL1500		1500	18
Triad Drig	7	dsl		G-D 800		1100	16
Unit Drig & Expl	10	dsl	1000	Beth M50		1300	15.5
Westwood Drig Co	21	dsl	1500	BDW 650M		1300	14
CADDO							
Basin Drig	16	dsl	1380	MC U814CM		1400	22
Big Chief Drig	48	d-e	3000	Emsco Electrohoist III		4200	25
	47	d-e	4000	G-D 3000E		3000	35
	48	d-e	4000	G-D 3000E		3000	35
Bonray Drig	1	dsl	1230	Oiwl 700		1230	18
	20	dsl	1680	Idco Super 711		1680	17
Brinkerhoff-Signal	15	dsl	2000	G-D 1500		2000	20
Dual Drig	4	dsl	2800	Nat 110		1500	19
	15	dsl	2700	Wils 159A		1850	19
Eason Oil	22	d-e	2900	Emsco C1E		1500	21
	25	d-e	3000	Emsco C1E		1500	21
Enepco	1	dsl	2600	Nat 110M		2700	27
	6	dsl	2600	Nat 110M		2700	29
Grace TRG Drig	133	d-e	2000	G-D 1100E		2400	18
	134	d-e	2200	G-D 1500E		2400	22
	135	d-e	2200	G-D 1500E		2400	22
	136	d-e	2200	G-D 1500E		2400	22
	137	d-e	2200	G-D 1500E		2400	22
Hasmerich & Payne	46	dsl	1640	Nat 110		1820	22
	92	d-e	2000	Nat 110ME		1500	20
	112						
	113						
Lagersen Drig	9	d-e	2000	Emsco C1E		2500	22
Lofland Bros	166	d-e	3300	MC U1220		2200	28
Moran Drig, E W	2	dsl	1800	G-D 700		800	14
	22	d-e	3200	Emsco C3		3000	30
	25	d-e	3200	G-D 3000E		3000	25
	27	d-e	3200	G-D 1500E		2000	25
Nicor Drig	6	dsl	1500	Nat 55		700	13.5
	10	dsl	2000	MC U814C		1500	18
	12	dsl	1170	G-D 700M		700	13
	30	dsl	2000	MC U814C		1500	18
	33	d-e	2000	MC U814EC		1500	21
	35	d-e	2000	MC U814EC		1500	21
	42	d-e	2000	MC U814EC		1500	21
	47	dsl	2800	Emsco C3E		2000	25
ONEOK Drig	11	d-e	2800	Nat 110UE		2000	20
Parker Drig	149	gas	1000	Nat 75		1000	16
	213	dsl	2200	OIME SL1500		2200	22
Quarles Drig	9	dsl	2800	OIME SD 7E		1800	22
Resource Drig	RD9	dsl	2330	Nat 110		2740	18
Santa Fe Drig	SFM 1	dsl	920	Nat 50A		450	11
	SFM 8	dsl	2700	OIME SD7E		900	20
Top Drig	7	d-e	2000	Oiwl 700E		1500	20
Unit Drig & Expl	8	dsl	1080	Nat 55		1588	15
Viersen & Cochran Drig	2	dsl	1250	Nat 55		800	12.5
	6	dsl	2300	Beth 1013		2400	20
Westwood Drig Co	20	dsl	1800	S/B H85		380	20
CANADIAN							
Beard Drig (OK)	1	gas	675	Emsco G450		450	10
Bonray Drig	4	dsl	900	MC U40		900	12
Drillers	35	dsl	900	Emsco GB350		700	8.5
	46	d-e	2100	G-D 1100E		2100	22
Exeter Drig	51	dsl	800	MC U36		600	10.5
	52	dsl	800	MC U36		600	10.5
	53	dsl	600	Emsco GC450		600	10.5
	54	dsl	1600	Beth 1350		1100	18
	58	dsl	800	Nat55		1000	12
	60	dsl	600	Nat 50		600	9
	61	dsl	1600	Nat 800		1150	17
FWA Drig	34	dsl	2300	Oiwl 760		1500	15
Grace Sabre Drig	8	dsl	1365	MC U15		1080	9
Leamon Drig	2						
Lofland Bros	111	d-e	2300	Emsco A1500		2250	24

OKLAHOMA (Cont'd)

Contractor	Type Power	Rig No.	Trdwl HP	Mud Pumps	Drawworks Make And Model	Trdwl HP Available To Drawworks	Rated Depth, With 4½" in. Pipe, 1000 ft.
CANADIAN (Cont'd)							
Moran Bros	35	el	1700	Oiwl 76		1000	15
Rolliff Drig	11	dsl	650	S/B N7		660	10
Santa Fe Drig	SFM 5	dsl	1300	OIME SD5		750	12
	SFM 7	dsl	1300	OIME SD5		750	12
U R C Drig	2	dsl	1100	Nat 100		1100	15
	3	dsl	660	MC U36A		660	12.5
	6	dsl	1600	Idco BR7580			10.5
CARTER							
Big Chief Drig	12	gas	1800	Nat 80B		1800	14
Bodard & Hale Drig	6	dsl	660	MC U36A		1100	13.5
	9	dsl	500	Beth 555		700	9
Butler-Johnson	12	dsl	1300	G-D M700		1300	12.5
Grace TRG Drig	130	d-e	2200	G-D 1100E		2400	18
Jones Drig Corp	18	dsl	600			600	8
Lofland Bros	73	d-e	2100	MC U712A		2200	18
Magic Circle Drig	12	dsl	900	Nat 50A		900	12
Noble Drig	N-133	d-e	3300	Nat 1320UE		1320	25
Parker Drig	186	dsl	2200	OIME 1500C		2200	22
Rolliff Drig	7	g-o	1030	Nat 79CB		1030	15
CIMARRON							
N R G Drig	1	dsl	500	Wils Mogul 42		500	7
Service Drig	10	dsl	380	MC		400	5
CLEVELAND							
Basin Drig	9	dsl	600	G-D 500M		820	10
Baton Drig, B	4	dsl	400	MC U34		375	6.5
Beard Drig (OK)	3	dsl	1379	MC U10		1029	14
Bodard & Hale Drig	7	dsl	550	Beth 555		900	8
Bonray Drig	8	dsl	715	Nat 50CA		425	11
ONEOK Drig	3	dsl	550	Wils Giant		350	7
Santa Fe Drig	SFDLI-30	d-e	3400	Oiwl E2000		2000	25
	SFM 12	dsl	2950	G-D 800		1000	15
	SFM-7	d-e	2600	Emsco C3111		3000	30
Top Drig	1	dsl	650	S/B N7		900	10
	2	dsl	1300	Oiwl 660		1300	14
	5	dsl	1000	MC U15		1050	10
	6	dsl	350	Nat T32		350	7.5
Unit Drig & Expl	22	gas	495	Nat 50		600	10
COAL							
Arden Drig	4	dsl	1500	Emsco D2		1000	16
Moran Drig, E W	29	dsl	1450	G-D 700		800	13
Roberson Drig	1	gas	600	Emsco		400	7
	3	gas	700	MC U15		800	10
COMANCHE							
Bonray Drig	9	d-e	3000	Oiwl E2000		2000	25
Drillers	48	d-e	3800	Idco E3000		3000	30
Jones Drig Corp	2	dsl	385			385	5
JFP Well Serv	8	dsl	2000	Oiwl E2000		2000	25
Lofland Bros	200	d-e	3300	Emsco 3000 Type II		3300	30
Nicor Drig	29	d-e	2700	G-D E1500		2000	25
Parker Drig	205	dsl	2200	OIME 1500C		2200	22
Penrod Drig	3	dsl	2660	Nat 1320M		3425	25
	21	dsl	2600	Nat 1320M		1950	15
	26	dsl	2600	Emsco C2		1950	25
	118	dsl	1900	Nat 1625M		3000	30
	123						
	127	dsl	1000	Nat 80B		1700	15
Resource Drig	32	dsl	1040	Nat 610		1220	12
Rowan Drig-Ut	9	d-e	2600	Nat 1625DE		2000	25
Westwood Drig Co	23	d-e	2300	Emsco C2		2000	20
CREEK							
McLennan Drig	4	dsl	310	G-D		230	2
CUSTER							
Bonray Drig	21	dsl	980	Idco H750		980	12
Drillers	42	d-e	3000	Emsco Electrohoist II		3000	25
Dual Drig	20	dsl	2250	Oiwl 660		1400	22
	32	d-e	2800	Oiwl 840		1500	22
Eason Oil	12	dsl	2660	Nat 80B		1360	15
Exeter Drig	44	dsl	1600	G-D 800M		1100	15
Grace TRG Drig	16	d-e	1500	G-D 800		1800	16
Hasmerich & Payne	85	d-e	1700	Oiwl 760E		760	16
	94	d-e	2600	Nat 1100ME		1500	20
Lanex Drig	B-30	d-e	2600	Emsco B4E		2600	20
Lofland Bros	218	d-e	3300	MC U1220E		2200	28
	244	d-e	2500	MC U1220E		2200	28
Magic Circle Drig	17	dsl	2400	Oiwl 96		2400	20
Moran Drig, E W	4	dsl	1400	Wils 120		1100	11
	5	dsl	1800	Wils 120		1100	11
	11	dsl	2800	Wils 150A		1800	20

OKLAHOMA (Cont'd)

Contractor	Type Power	Rig No.	Trdwl HP	Mud Pumps	Drawworks Make And Model	Trdwl HP Available To Drawworks	Rated Depth, With 4½" in. Pipe, 1000 ft.
CUSTER (Cont'd)							
Oklahoma Warrior Drig	2	dsl	1600	S/B 75		1200	15
ONEOK Drig	7	d-e	1400	G-D 800E		1000	17
	12	d-e	2000	Oiwl 840E		2000	20
Parker Drig	170	dsl	1600	OIME SL1500P		1600	20
	210	dsl	2200	OIME 1500C		2200	22
Quarles Drig	12	dsl	2700	MC U814C		2400	22
Santa Fe Drig	SFDLI-21	d-e	2900	Nat 110UE		1500	17
	SFM 14	dsl	1450	BDW 800M		800	15
	SFM 6	dsl	1290	OIME SL7		900	15
	SFM-17	d-e	1300	Nat 100		2000	14
Triad Drig	10	dsl		G-D 700		1100	15
Unit Drig & Expl	30	dsl	1000	G-D 700		1300	15
Viersen & Cochran Drig	1	dsl	1400	Oiwl 660		800	12
	15	dsl	1300	Oiwl 660		850	14.5
Westwood Drig Co	1	dsl	1750	S/B N75		1500	12
Wilson Bros Drig	16	dsl	2800	Nat 1300		2700	20
DEWEY							
Basin Drig	8	dsl	750	Emsco D3M		820	13
Beard Drig (OK)	2	gas	1200	MC U15		800	12
Brinkerhoff-Signal	66	dsl	700	Nat 55		700	12.5
Exeter Drig	59	dsl	600	Nat 50		600	10.5
FWA Drig	3	dsl	1400	Wils Giant		800	11.5
Halmerich & Payne	68	dsl	1600	Nat 80B		800	15
Hickman Drig	2	dsl	1000	BDW 650		1000	12
Lanex Drig	B-16	d-e	2000	G-D 880E		1000	15
Mercury Drig	11	dsl	1500	Emsco U15		960	9
Nicor Drig	7	dsl	1300	MC U15		700	11.5
Oklahoma Warrior Drig	5	dsl	2000	BDW		1300	15
ONEOK Drig	1	d-e	1150	MC U15		860	13
Rino Drig	5	dsl	700	S/B H55		700	9
Triad Drig	5	dsl		Idco Super 750		1100	14
	11	dsl	1300	U-40		820	14
	12	dsl	1050	U-15		700	12
Trigg Drig	2	g-b	700	Nat 75		900	12
Unit Drig & Expl	18	dsl	1000	G-D 700		1300	15
	24	dsl	800	G-D 800		1300	15
Viersen & Cochran Drig	5	dsl	1250	Oiwl 660		800	12.5
	20	dsl	1680	Nat 610		1300	12.5
	22	dsl	1300	Nat 610		800	12.5
Westwood Drig Co	12	dsl	880	G-D 700		1000	12
ELLIS							
Forest Neptune and/or ARI	48	d-e	2200	G-D 1100E		1500	18
Gabbert-Jones	3	dsl	410	Emsco 300		475	8
Grace TRG Drig	15	dsl	1245	Nat 75CA		1305	15
Hickman Drig	5	dsl	1150	BDW 880		1150	15
Jones Drig Co, Loyd	68	dsl	1300	Oiwl 750		750	10
Slawson Drig	8	dsl	750	Idco H725		750	14.5
Triad Drig	6	dsl		S/B N65A		1000	20
	9	dsl		BDW 650		800	12
Unit Drig & Expl	9	dsl	600	S/B N55		1000	12
	11	dsl	1100	G-D 700		1300	15
Westwood Drig Co	19	dsl	680	Oiwl 52T		3000	8
GARFIELD							
Baton Drig, B	1	gas	300	MC U34		300	5.7
Bodard & Hale Drig	4	dsl	460	MC U34		460	6.5
	5	dsl	460	MC U34		425	6.5
Hughes Drig	1	dsl	550	Idco H35		500	7.5
	2	dsl	550	Idco H35		500	7.5
	16	dsl	500	S-Star SS40		220	3.5
	17	dsl	500	S-Star SS40		220	3.5
Nicor Drig	14	dsl	1300	G-D 500M		600	10
Thomas Drig	8	dsl	300	Idco H35		300	7.5
GARVIN							
Baton Drig, B	9	dsl	700	Beth 550		450	7.5
Beard Drig (OK)	5	dsl	1379	Emsco D2		1029	15
Big Chief Drig	42	dsl	1800	Nat 80		1800	15
	43	dsl	2600	Nat 80B		2250	18
Bodard & Hale Drig	6	dsl	600	Nat T30		450	6.5
Bonray Drig	3	dsl	900	S/B N7		900	10.5
Cactus Drig	51	dsl	700	S/B N55		850	9
	56	dsl	800	S/B N55		850	9
	57	dsl	550	Idco H35		450	6.5
Eason Oil	10	dsl	1800	Emsco D2		750	13
ONEOK Drig	5	dsl	1310	MC U15		900	10.5
R W I T Drig	6	g-l	691	MC U34		250	6
Scott Drig, Jerry	7	dsl	350	Cnbv L350		650	8
	8	dsl	1020	MC U15		1000	11
Viersen & Cochran Drig	4	dsl	1350	Nat 55		850	12.5

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
GRADY						
Arden Drlg	6	d-e	3200	Emsco C3	3000	35
Cactus Drlg	35	d-e	3220	Nat 110UE	2000	20
Dual Drlg	1	dsl	1000	Wils 75P	680	12.5
Eason Oil	20	d-e	2000	Emsco D3	1600	16
	21	d-e	2000	Emsco D2	750	13
	23	d-e	3200	Emsco C3E	3000	30
Forest Neptune and/or ARR	50	d-e	3200	G-D 1650E	2000	21.7
Helmerich & Payne	44	dsl	1650	Nat 110	1915	22
	73	d-e	2000	Nat 110UE	1500	20
	98	d-e	2000	Nat 110NE	1650	20
Hughes Drlg	3	dsl	1250	Idco 725	725	13.5
Lofland Bros	19	d-e	3200	Emsco C3000	3200	35
	50	gas	1500	MC U30	1500	15
M G F Drlg-Lafayette	48	dsl	1800	Idco S711	1800	18
Magic Circle Drlg	16	gas	1300	Beth M810	1300	1
Mercury Drlg	8	dsl	2000	G-D M709	1400	17
Nicor Drlg	2	dsl	1500	MC U15	700	12
	31	d-e	2000	MC U914EC	1800	21
Noble Drlg	M-60	dsl	1000	Nat 80B	1000	15
Oklahoma Warrior Drlg	3	dsl	1800	Nat 150	1800	17
ONEOK Drlg	8	dsl	1110	S/B N88	700	13.5
Parker Drlg	172	dsl	1460	OIME SL1500P	1800	20
	179	dsl	3000	OIME Hercules 3000E	3000	30
	196	dsl	3300	OIME E3000	3000	35
Penrod Drlg	133	dsl	1600	Nat 1625DE	4610	20
Ratliff Drlg	2	gas	1000	Nat 55	1000	14
Resource Drlg	RD-29	dsl	1500	Nat 80B	1800	14
Santa Fe Drlg	BRW 15	dsl	1400	BDW 800M	800	15
	BRW 3	dsl	1250	OIME 1000SL	950	14
	BRW-15	d-e	1600	Emsco C111	2600	30
Thomas Drlg	1	dsl		S/B N42		11
	6	gas	650	Nat 50A	650	13
Viersen & Cochran Drlg	18	dsl	2600	Nat 80B	1600	17.5
GRANT						
Bonray Drlg	7	dsl	375	Coop 550	475	7
Loben Drlg	11	dsl	500	G-D 3000	500	7
Thomas Drlg	2	dsl	300	Nat T32	300	7.3
Vaughn Good Drlg	1	dsl	500	Coop 650	500	9
	2	dsl	1100	Coop 650	650	12
GRAYSON						
Nicor Drlg	5	dsl	1350	Beth C50	450	10
HARPER						
Challenger Drlg	3	dsl	700	Nat 55A	700	10
H30 Drlg	77	dsl	225	Idco H40	600	8
Sage Drlg	6	dsl	360	Emsco GA30	500	9
HASKELL						
Alexander Drlg	5	dsl	600	W-N 250H40	400	7
Grace Miller Drlg	114	dsl		Nat 50	700	10
Unit Drlg & Expl	2	dsl	700	MC U15	800	12.5
	29	dsl	1000	S/B N75	1300	15
HUGHES						
R W I T Drlg	2	g-l	680	MC U34	280	6
Rockwell Drlg	22	dsl	670	Emsco G38	400	7
	24	dsl	450	MAC 300	450	5
KAY						
Eden Drlg	5	dsl	135	Cnclw J10¹	225	7.5
Kay Drlg	1	dsl	450	S/B N4	150	6
McLennan Drlg	3	dsl	450	Cbot 658	319	4.5
KINGFISHER						
American Western	10	dsl	1000	Cbot 750	750	8
	12	gas	650	Emsco 500	600	10.5
	14	gas	650	Emsco 500	600	10.5
	16	gas	650	Emsco 500	600	10.5
Bedard & Hale Drlg	12	dsl	450	MAC 400	335	7.5
Bonray Drlg	6	dsl	750	Nat 50A	750	8
Enapco	5	dsl	2000	Nat 80B	1600	16
Grace Sabre Drlg	4	dsl	600	Nat 370	335	7.5
Magic Circle Drlg	15	dsl	900	MC U15	900	12
Thomas Drlg	5	dsl	405	Wils Giant	400	8.9
KIOWA						
Easter Drlg	48	dsl	900	S/B N75	900	14
Moran Drlg, E W	30	d-e	3200	G-D 3000	3000	30
LATIMER						
C E C Drlg	2	dsl	1100	MC U15	800	10
Cactus Drlg	20	dsl	2000	Nat 110	2550	20
Dual Drlg	19	dsl	1500	Beth M-810	1000	15
Easter Drlg	46	dsl	900	S/B N75	900	14
Grace Miller Drlg	18	dsl	2000	G-D 1500E	2000	22
	117	dsl		OIME SL7	1500	20
Grace TRG Drlg	19	d-e	2200	G-D 1500E	2400	22
Larsen Drlg	A-15	d-e	2000	Emsco D3	1000	18
	B-12	d-e	1800	Emsco D2	750	13
Moran Drlg, E W	9	dsl	1900	Wils 150A	1850	18
	14	dsl	1850	Wils 150	1850	15
	21	dsl	1450	Wils 120	1100	15
Quarles Drlg	1	dsl	1500	OIME 750	750	14.5
	3	dsl	2000	OIME 1000	1000	18
Unit Drlg & Expl	17	dsl	700	S/B N75	1300	15
LE FLORE						
Alexander Drlg	2	dsl	1200	Emsco G42	800	12.5
Grace Miller Drlg	118	gas		S-H 7000	380	8
LINCOLN						
Grace Sabre Drlg	6	dsl	450	Nat T20	335	6
R W I T Drlg	9	g-l	610	Wils	280	6
Sloan Drlg	10	dsl	400	MC U34	450	6.5
	18	dsl	370	Crdw 350	450	7
LOGAN						
Basin Drlg	2	dsl	600	G-D 500M	820	11
	3	dsl	500	G-D 500M	820	10
	6	dsl	600	GD 700M	820	12
	10	dsl	600	G-D 500M	820	10
Bates Drlg, B	2	gas	325	MC U34	245	6.5
Bedard & Hale Drlg	16	dsl	450	Idco H37	450	8.5
Grace Sabre Drlg	9	dsl	450	MC U34	450	6
Hughes Drlg	4	dsl	700	Idco H44	636	9
Oklahoma Warrior Drlg	1	dsl		Emsco	400	5
Porter Drlg, Gene	1	dsl	600	MC U34	435	6
LOVE						
Arden Drlg	10	d-e	2000	Emsco D3	1200	16
Basin Drlg	1	dsl	600	G-D 500M	820	10
Moran Drlg, E W	30	dsl	1200	S-H 7000	400	9.5
Thomas Drlg	19	dsl	600	Wils Super Giant	600	11
Viersen & Cochran Drlg	17	dsl	1200	Oilwell 680	850	13.5
McCLAIN						
Drillers	28	dsl	700	Emsco GB500	700	10
	27	dsl	700	Emsco GB500	750	10
MAJOR						
Dixon Drlg	1	dsl	1150	Idco H40	900	10
Thomas Drlg	4	dsl	600	Emsco 500	600	10.2
Top Drlg	3	dsl	400	Oilwell 500	450	8.5
Triad Drlg	3	dsl		S/B N56	800	12
Unit Drlg & Expl	23	dsl	600	MC U15	600	10
MARSHALL						
Santa Fe Drlg	BRW-22	d-e	2600	Nat 110UE	1550	17
MC CLAIN						
Arden Drlg	16	dsl	1300	Nat SS	700	12
Bates Drlg, B	3	dsl	1100	MC U34	1100	10.5
	15	dsl	1350	Wils Titan	1575	14
Beard Drlg (OK)	4	dsl	1379	MC U10	1029	14
Nicor Drlg	64	d-m	1750	Emsco GB800	1000	15
Quarles Drlg	7	dsl	1050	Nat 750A	800	14
Ratliff Drlg	5	dsl	1100	Nat 75CS	1100	15
	12	dsl	700	G-D 500M	700	12
Schlenker Drlg	18	gas	900	G-D 800M	1350	16
Thomas Drlg	9	dsl	640	S/B N48	640	13
Trigg Drlg	4	dsl	700	Nat 75	950	12
	5	g-b	500	Nat 50A	800	10
MURRAY						
Bedard & Hale Drlg	11	dsl	450	MAC 300	450	6.5
NOBLE						
Grace Sabre Drlg	118	dsl	450	U 34B	450	6
Hughes Drlg	6	dsl	550	Idco H35	380	6.2
	9	dsl	550	Cbot 500	343	6.5
OKFUSKEE						
Hughes Drlg	15	dsl	550	Cbot 550	425	7.5
Scott Drlg, Jerry	1	dsl	350	S/B N4	350	5.5
	5	dsl	375	Beth S45	375	6
OKLAHOMA						
Basin Drlg	17	dsl	1350	MC U914CM	1400	22
Bates Drlg, B	5	dsl	1000	MC U15	1100	10
Big Chief Drlg	20	gas	1200	MC U40	980	13.5
	30	gas	1515	Idco 1050	1515	15
Bigard Drlg	18	d-e	2000	Idco ED1200	2000	20
Bonray Drlg	8	dsl	850	Coop 750	650	10
Eason Oil	17	dsl	2300	Emsco C1	1500	21
	18	d-e	2300	Emsco C1E	1500	21
	24	d-e	2600	Emsco C1E	1500	21
Grace Sabre Drlg	7	dsl	1050	MC U15	450	7.5
Mercury Drlg	3	dsl	2000	Oilwell 96	2100	22
	5	dsl	2700	G-D 1100	3225	22
	8	dsl	1500	Emsco 500	1435	14
	12	dsl	2000	G-D 800	2100	20
	14	dsl	2000	MC U914	2100	22
	15	dsl	2700	Nat T1320M	3225	25
Nicor Drlg	65	d-e	2700	MC U914EC	1500	21
	71	d-e	2000	MC U914EC	1500	21
Parker Drlg	43	gas	1800	Oilwell 96	1800	20
	47	gas	1400	OIME 1500C	1400	20
	71	gas	1800	Nat 125	1800	20
	114	d-e	2700	Idco 3000E	3000	30
	142	dsl	2800	Nat 1320E	3000	25
	184	dsl	1850	OIME SL1500P	1850	20
	181	dsl	3000	OIME Hercules 3000E	3000	30
	192	gas	1200	OIME 1000C	1200	16
	204	dsl	2200	OIME E1500C	2200	22
	208	gas	2200	Idco 711	2200	18
Ratliff Drlg	10	gas	1020	Nat 50	1020	10
	16	dsl	750	MC U15	750	10
	17	dsl	700	Nat 50A	700	12
S & T Drlg	8					
	11					
Schlenker Drlg	11	dsl	2400	G-D 1100M	2480	20
Scott Drlg, Jerry	6	dsl	1342	MC U15	1342	10.5
Venture Drlg	2	dsl	550	Cbot 750	750	7.5
Viersen & Cochran Drlg	3	dsl	1250	Nat 75	850	12.5
	10	dsl	2000	Nat 100	1000	15
	12	gas	900	Nat 50	800	9
	23					
Warren Interstate Drlg	1	dsl	1000	Cbot 2042TDHT	700	10.7
OKLAHOMA CITY						
Blocker Drlg	26					14
OKMULGEE						
Equity Drlg	175	dsl	300	Wils Super 38	300	4.2
OSAGE						
McLennan Drlg	5	dsl	450	Cbot 658	318	4
PAYNE						
Grace Sabre Drlg	153	dsl	450	MC U34	450	6
Hughes Drlg	5	dsl	550	Idco H35	380	6.2
	10	dsl	550	Cbot 550	425	7.5
PITTSBURG						
Arden Drlg	13	dsl	1800	Idco H7-11	700	12
	15	dsl	2000	OIME SL7	1000	16
Basin Drlg	13	dsl	1470	G-D 700M	1220	14
Dual Drlg	2	dsl	1250	Wils Giant	650	9.5
	10	dsl	1250	Wils 120	1100	15
FWA Drlg	7	dsl	1500	Wils Titan	1040	14
Grace Miller Drlg	122	dsl		BDW 800	1300	15
	123	dsl		BDW 800	1300	15
Unit Drlg & Expl	16	dsl	600	MC U15	800	11

OKLAHOMA (Cont'd)

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
PONTOTOC					
Royal Drlg	1 dsl	300	Emsco GB160	675	4.2
Scott Drlg, Jerry	10 dsl	400	Crdw 450	450	6
POTTAWATOMIE					
Bodard & Hale Drlg	14 dsl	450	S/B N4	450	6.5
	15 dsl	450	MAC 400	525	7.5
Exster Drlg	63 dsl	450	Coop 750	600	8
Falcon Drlg	1 dsl	600	Beth S45A	400	7
Sloan Drlg	12 dsl	370	S/B N4	450	6.5
PUSHMATAHA					
Dual Drlg	36 d-e	2000	Otwl 760	1000	16
Loffland Bros	206 g-e	2160	MC U914C	2200	20
ROGER MILLS					
Baker & Taylor Drlg	5 dsl	1400	MC U20	1400	22
Basin Drlg	4 dsl	1600	G-D 700M	320	14
Challenger Drlg	32 dsl	2400	Nat 1320	2400	20
Exster Drlg	62 dsl	1000	Nat 110M	1100	17
FWA Drlg	19 dsl	1600	Wils Titan	1040	14
Grace TRG Drlg	17 d-e	2200	G-D 1500E	2400	22
	132 d-e	3000	G-D 3000E	3000	30
Helmerich & Payne	55 dsl	1100	Nat 55	1210	14
	82 d-e	2800	Otwl E2000	2000	26
	96 d-e	1800	Nat 80UE	800	15
	97 d-e	3400	Otwl E2000	2000	26
Loffland Bros	18 d-e	2600	MC U1220EB	2200	28
	123 gas	1975	Nat 130	2200	26
	311 dsl	2250	G-D 1500	2500	24
Nicor Drlg	19 dsl	1650	Idco 750	750	15
Noble Drlg	OW-841 e-a	2775	Otwl 840E	1400	20
ONEOK Drlg	9 dsl	1110	MC U15	700	13
Parker Drlg	203 dsl	2600	OIME E2000	2000	25
Rowan Drlg-US	14 dsl	3200	Nat 1625M	3000	35
	31 dsl	3200	Nat 1625	3300	30
Santa Fe Drlg	SFM 11 dsl	1900	G-D 800	1000	15
	SFM 9 dsl	1800	BDW 800MX	800	16
Slawson Drlg	9 dsl	1400	Idco H900	950	16.5
Tri-Service Drlg	9 dsl	2475	Nat 1320M	2475	22
	10 dsl	1800	Otwl 860	1800	21
	12 d-e	3300	Otwl E2000	2000	25
Unit Drlg & Expl	15 dsl	1300	MCSCO 914C	1850	25
Vierson & Cochran Drlg	21 dsl	2000	Nat 80B	1600	17.5
Wilson Bros Drlg	1 d-e	2600	Idco E2100	2100	21
SEMINOLE					
Bates Drlg, B	7 dsl	1000	Wils Titan	1050	12
	14 dsl	700	MC U15	450	7.5
Rockwell Drlg	18 dsl	670	MC U34	450	5
	20 dsl	670	MAC 350	550	6.5
Scott Drlg, Jerry	2 dsl	420	MC U34	430	6.5
Sloan Drlg	14 dsl	370	Nat T20	600	7
	16 dsl	370	Wils 42	600	7
	20 d-e	850	Wils 90EH	1000	12
SEQUOYAH					
Alexander Drlg	5 dsl	1800	Emsco A1100	1400	18
STEPHENS					
Arden Drlg	7 dsl	1700	OIME SL7	1500	15
Bates Drlg, B	8 dsl	1000	Wils Giant	1050	12
Big Chief Drlg	36 dsl	1400	Nat 55	900	11
Challenger Drlg	23 dsl	1800	G-D 11100	2700	18
	26 dsl	30	Nat T20	600	5
Compadre Drlg & Expl	1 dsl	360	W-N A25040	360	6
Grace TRG Drlg	5 dsl	1245	Nat 75	1305	14.5
Helmerich & Payne	8 dsl	1100	Nat 55	1210	14
Jones Drlg Corp	7 gas	700		750	12
	8 gas	700		700	12
	15 dsl	900		1000	14
Lanex Drlg	B-15 d-a	2000	Emsco D3	1000	16
Moran Drlg, E W	10 d-e	2600	G-D 1500	2000	25
Nicor Drlg	18 dsl	1300	MC U15	700	12.5
	63 dsl	3200	MC U1220EB	2500	30
Ratliff Drlg	8 g-b	1020	Nat 50A	1020	10
	9 gas	700	Nat 50A	1020	11
Thomas Drlg	11 dsl	300	Wich R-6	300	6
U R C Drlg	1 dsl	880	Nat 50	880	10

OKLAHOMA (Cont'd)

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
TEXAS					
Bohannan Drlg	2 dsl	750	Idco H35SC	650	8.5
Damac Drlg	6 dsl	550	Cbot	450	6.5
Gabbert-Jones	12 dsl	450	S/B N42	525	8
H30 Drlg	8 dsl	600	Idco H40	800	10
Sage Drlg	2 dsl	350	Otwl T52	500	6.5
	5 dsl	350	Unit U15	500	7
	7 dsl	350	BDW 450	500	9
Service Drlg	2 dsl	450	MC U34	450	6
WASHINGTON					
Equity Drlg	150 dsl	300	Fall 2500	300	3/ 3.5"
WASHITA					
Arden Drlg	12 d-e	2800	Nat 110UE	1500	22
Bonray Drlg	2 dsl	1650	Otwl 860	1650	20
	30 dsl	2400	Nat 1320	2400	25
	31 dsl	2400	Nat 1320	2400	25
	32 dsl	1600	Nat 110	1600	20
Challenger Drlg	6-E dsl	900	Nat 80E	1000	14
Drillers	44 d-e	2000	G-D 2000	2000	25
Haning & Young Drlg	151 d-e	2000	S/B NE95	1700	18
Helmerich & Payne	99 d-e	3400	Otwl E2000	2000	26
Lagersen Drlg	7 d-e	2000	Emsco C1E	2500	22
Lanex Drlg	A-12 d-a	1600	Emsco D2	750	13
Loffland Bros	20 d-e	3200	Emsco C3000	3000	35
	227 dsl	2400	MC U914A	2500	22
	324 dsl	2250	G-D 1500	2500	24
	327 dsl	2250	G-D 1500	2500	24
Magic Circle Drlg	18 d-e	4000	Emsco C2	2000	25
Mercury Drlg	7 dsl	2000	G-D 800M	2100	18
	10 dsl	2000	G-D 800	2100	18
Moran Drlg, E W	9 dsl	2000	Wils 150	1650	18
	28 d-e	3200	G-D 3000E	3000	40
Nicor Drlg	55 d-e	2000	MC U914EC	1500	21
Noble Drlg	N-115 dsl	2130	Nat 110	2130	20
	N-117 e-a	3845	Nat 110UE	3845	20
Oklahoma Warrior Drlg	4 dsl	1800	DBW	1000	17
Parker Drlg	178 dsl	2200	OIME SL1500P	2200	22
	214 gas	2200	OIME 1500C	2200	22
Ratliff Drlg	1 dsl	2640	Otwl 96	2640	24
Resource Drlg	RD-27 dsl	1560	Nat 80B	1835	14
Rowan Drlg-US	5 dsl	3200	Nat 1625M	3000	35
	7 dsl	3200	Emsco A1500	2500	22
	30 dsl	2600	Emsco A1500	2400	22
Unit Drlg & Expl	21 dsl	1000	G-D 700	1300	16
	25 dsl	800	G-D 700	1300	16
Westwood Drlg Co	18 dsl	2000	G-D 1500E	2000	20
Wilson Bros Drlg	22 d-e	2800	Otwl E2000	2000	25
WOODS					
Gabbert-Jones	6 dsl	450	Nat T32	310	6
Hughes Drlg	7 dsl	550	Idco H37	450	8
Magic Circle Drlg	11 dsl	900	Nat 50A	900	10
	14 dsl	320	Cbot 2042	700	9.5
WOODWARD					
Basin Drlg	7 dsl	850	MC U36A-M	820	8
Bonray Drlg	5 gas	700	Nat 50A	700	9
	22 dsl	800	Idco H525	800	10.5
Damac Drlg	3 dsl	930	Wils Mogul	620	9.5
Drillers	23 dsl	600	MC U15	600	10
Grace TRG Drlg	8 dsl	800	Unit 15	1000	10.5
Hickman Drlg	3 dsl	1000	BDW 650	1000	12
	6 dsl	1100	BDW 800	1100	15
Nicor Drlg	28 dsl	1000	MC U15	700	11.5
ONEOK Drlg	6 dsl	1110	MC U15	700	11
Rine Drlg	3 dsl	750	S/B N55	750	9.5
	6 gas	700	S/B N75	750	12
	9 dsl	1000	G-D 800	1000	13.5
Triad Drlg	2 dsl		S/B N45	550	9
	8 dsl	2250	G-D 1500	2250	24
	16				

OREGON

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
UNDESIGNATED					
Bawden Drlg	21E scr	1000	Emsco C-1	1500	18
COLUMBIA					
Taylor Drlg	5 dsl	750	MC U34	375	6

PENNSYLVANIA

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
BEDFORD					
Bigard Drlg	12 d-e	2000	Idco ED1200	2000	20
CAMBRIA					
Delta Drlg	91 dsl	255	Idco H35KD	291	6
CENTRE					
International Petr Serv	10 dsl	600	Wils Mogul 42	475	7.5
CLEARFIELD					
Fairman Drlg	5 dsl	400	Crdw	350	4
	6 dsl	350	Idco H44	550	8
	7 dsl	350	Idco H44	550	8
	9 dsl	400	Idco H44	500	8
CRAWFORD					
International Petr Serv	6 dsl	475	Wils 42	475	7.5
P E P Drlg	5 dsl	550	G-D 500M	500	7
Union Drlg	12 dsl	1200	Cbot 500	425	6.5
ERIE					
Underwater Gas Dev	7		Chal 320	300	6
Union Drlg	10 dsl	1200	Idco BIR5535	425	7.5
	14 dsl	1200	Crdw KB250	425	6.5
INDIANA					
Delta Drlg	67 dsl		S-H 7000	480	9
	71 dsl	1000	S-H 7000	440	9
	72 dsl	250	S-H 7000	440	9
	77 dsl	250	Idco H35KD	291	6
	84 dsl	1800	Emsco D3 Type III	1560	16
	92 dsl	255	Idco H35KD	291	6
Fairman Drlg	8 dsl	350	Idco H44	550	8
	15 dsl	300	Idco	300	5
Union Drlg	4 dsl	1200	S-H 6000	340	7
	8 dsl	1200	Idco BIRH37	425	6.5
JEFFERSON					
Fairman Drlg	11 dsl	400	Idco H44	500	8
	12 dsl	400	Idco	250	5
International Petr Serv	8 dsl	600	Wils Mogul 42	475	7.5
LYCOMING					
Delta Drlg	83 dsl	2600	Emsco C1 Type III	2331	18
MERCER					
P E P Drlg	7 dsl	550	Emsco WS1	470	7.5
VENANGO					
Delta Drlg	78 dsl	250	Idco H35KD	291	6
Devonian Drlg	1 dsl	325	Kremco K600	475	7
	2 dsl	585	Cbot 2042	475	6
P E P Drlg	6 dsl	550	G-D 500	500	10
Union Drlg	7 dsl	1200	Cbot 500	425	6.5
WARREN					
International Petr Serv	5 dsl	475	Wils 42	475	7.5
WESTMORELAND					
Delta Drlg	79 dsl	255	Idco H35KD	291	6
Fairman Drlg	10 dsl	400	Wils Mogul 42	350	5
	14 dsl	400	S/B	350	7.5

SOUTH DAKOTA

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
CORSON					
Spartan Drlg	30 dsl	500	Idco H525	500	8.5
HARDING					
Cardinal Drlg	9 dsl	1120	Nat 50CA	720	11.5
	15 dsl	1080	Emsco GA500	760	10
Grace Bomac Drlg	26 dsl	1010	G-D 500M	750	3.5

TENNESSEE

Contractor	Type Power / Rig No.	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
CAMPBELL					
Miller Contract Drlg	18 dsl		I-R T4	600	3.5
FENTRESS					
Norman Drlg, James R	2 dsl	750	I-R	450	2.5

TEXAS

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
UNDESIGNATED						
Ard Drlg	2	dsl	1986	MC U20	1800	18
	3	dsl	1400	MC U40	1200	15
	4	dsl	900	MC U15	900	12
	8	dsl	1900	Emsco 800GB	1800	16
Baker & Taylor Drlg	2	dsl	1400	MC U20	1400	20
	4	dsl	1140	MC U20	1140	18
	6	dsl	1400	MC U40	1400	20
	7	dsl	870	MC U15	870	11
	10	dsl	870	MC U15	870	11
	14	dsl	1140	MC U40	1140	18
Continental Drlg	2	d-e	2600	Idco E1700	1700	19
	11	d-e	2600	Idco E1700	1700	19
	14	d-e	2000	Idco ED1200	1200	16
	33	d-e	2600	Idco E1700	1700	19
	42	d-e	3200	Idco E2100	2100	25
Cothrum Drlg	2	dsl	926	MC U15A	912	11.5
	3	dsl	1200	S/B N72W	912	12
	5	dsl	1525	BDW 650	912	14
	6	dsl	750	Emsco G500	600	7.5
	8					
	9	dsl	900	S/B N4	500	6.5
	10	dsl	1500	G-D 1500	2250	24
	11	dsl	250	G-D 210B	250	10
	14					
	16					
	17					
	20					
Culver Drlg	3	dsl	800	G-D 800	800	16
	4	dsl	800	S/B N45	700	10/4"
	6	d-e	2000	G-D 2100	2000	30/5"
	11	dsl	1500	MC U914C	1500	17
	16	dsl	800	G-D 700	800	14
Deutsche Tiefbohr	T-12					
	T-2					
Eljay Drlg	3	d-e	3400	Oiwl E3000	3000	30
Faith Drlg	2	dsl	1500	Nat 55	1300	12
Hurt & Assoc, Clint	12	dsl	1200	Wils 75	900	11
J 3 Drlg	2	dsl	1650	MC U36A	950	14
	3	dsl	1100	MC U34B	750	8.5
	4	dsl	1100	MC U34B	750	8.5
	5	dsl	2470	MC U914	2470	20
Johnn Drlg	5	dsl	700	MC U15	700	8.5
	10	dsl	800	Oiwl 66	800	10
Justiss Oil	5	dsl	450	Beth S45E	300	6.5
	14	dsl	800	Emsco GB500	900	11
	25	dsl	250	Emsco GC350	450	12
	30	dsl	1000	Beth 1013	1400	17
	31	g-b	500	Wils Giant Roadair	650	10
	32	g-b	700	Beth 450	900	12
	36	dsl	1000	1013	1200	16
Ladrido Drlg	1	dsl	1600	MC U15	1050	13.5
Norwood, A N	1	dsl	450	Wils Super 38	350	5.5
	2	dsl	700	S/B N4	450	6
	3	gas	1000	S/B N4	450	6
	4	dsl	600	Nat T20	450	6
Padre Drlg	3	dsl	700	RMI	800	10
	9	dsl	1300	S/B 4610	450	8.5
PRC Drlg	1	dsl	840	S/B RR600	385	8
	2	dsl	804	MC U34	385	7.5
	4	dsl	1040	Cbot 2345	770	10
	6	dsl	1817	S/B N75A	1040	14
Rio Colorado Drlg	119	dsl	1300	Emsco A800	1600	12/5"
	141	dsl	1200	Nat T45	900	10.5
	145	dsl	2000	Nat 110	1650	18
Safari Drlg	1	dsl	640	MC U15	640	10
Sojourner Drlg	7	dsl	350	MC U15	7500	7.5
	10	dsl		MC U15	550	7
Texas Drlg	2	dsl	1700	S/B N7	1200	11
	3	dsl	1700	Nat 50A	1200	11
	7	dsl	1700	Cbot 900	900	10
	8	dsl	2000	Cbot 2550	1200	14
	9	dsl	1800	Emsco D2	1200	14
Tommy's Oilwell Drlg	2	dsl	800	Beth S50	476	7
	6	dsl	476	Wils 550		5.5
	7	dsl	800	S-H 5000	476	7
	8	dsl	800	SOS 6000S	650	8
	9	dsl	800	Crdw L	500	4
Transcontinental Drlg-Magnolia	2	gas	500	Emsco GB350	500	8.5
	5	dsl	1050	Oiwl 76	1050	11.5
	35	dsl	1000	G-D 800M	1000	15
Tucker Drlg	1	dsl	750	S/B N55	750	10
	4	dsl	214	MC U15	450	7.5
	7	dsl	375	Beth 560	600	7
	9	dsl	750	Nat	750	10
Verna Corp	12	dsl	500	MC U15	600	11.5
	19	dsl	550	MC U15	800	11.5
	26	dsl	500	Idco H40	750	8
Wes-Tex Drlg	22					
Westburne WW Drlg	55	dsl	2000	Nat 1320UE	2000	20

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ANDERSON						
Spartan Drlg	9UE	d-e	1000	Sup 1000E	1000	16
ANDREWS						
BB&C Drlg	1	dsl	350	Unit U34B	425	6
BJM Drlg & Expl	2	dsl	800	N 4213	600	8.5
	6	dsl	1200	MC U15	1000	12
Cactus Drlg	20	dsl	850	S/B N45	1080	7
Cherokee Drlg & Dev	5	dsl	900	BDW 450	531	7
Kenai Drlg	15	dsl	600	Emsco GB300	80	11
	17	dsl	900	S/B N4	580	7
	25	dsl	700	Emsco GB500	800	11
M G F Drlg-Midland	1	dsl	750	Beth M58	750	12.5
Moran Bros	58	dsl	1300	Cbot 750	750	9
	71	dsl	500	Nat 370	550	8.5
Rio Colorado Drlg	138	dsl	1750	Idco H1000	1000	12
	139	dsl	1200	Nat T45	900	11.5
	143	dsl	1200	Nat T45	1100	12.5
Rod Ric	3	dsl	670	S/B N45M	820	10
	4	dsl	750	Idco H40	800	8.5
	7	dsl	900	W-M Hellhoist	900	10
	9	dsl	750	Idco H35	800	8
Sharp Drlg	47	dsl	790	Beth M58	988	13.5
TMBR Drlg	1	dsl	350	MC U15CA	500	6
	2	dsl	350	Wels W45	450	7
	10	dsl	1300	Beth 650M	750	10
	30	dsl	350	MC U15	500	7
Verna Corp	13	dsl	600	S/B N4	400	6.5
ANGELINA						
Lagersen Drlg	5	d-e	1600	Emsco J750E	1250	16
Noble Drlg	OW-77	dsl	800	Oiwl 760	800	14
ARCHER						
Bearden Drlg	2	dsl	1500	Wils 75	900	9
Megargel Drlg	4	dsl	350	Beth S45B	275	5.3
	10	dsl	750	MC U15	750	7
ASSUMPTION						
Wilson Bros Drlg	11	dsl	2400	Nat 110	2700	20
ATASCOSA						
Willis Drlg	9	dsl	1000	G-D 700	1000	12
BASTROP						
M G F Drlg-Houston	8	dsl	600	S/B N55	550	10.5
BEE						
Delta Drlg	63	d-e	2600	Emsco C1 Type II	2592	16
Forex Neptune and/or Affil	51	d-e	3200	G-D 1500E	2000	21.7
BORDEN						
Douglas Drlg	1	dsl	700	Nat 50CA	700	10
McCutchen Drlg	3	dsl	820	Wils Atlas Roadair	820	10.5
	4	dsl	820	Wils 90	820	12
Robinson Drlg of Texas	5	dsl	750	MC U15	900	9.5
Tri-Service Drlg	2	dsl	1400	Oiwl 66	900	10
TMBR Drlg	13	dsl	700	MC U15CA	500	10.5
	22	dsl	700	S/B N75	750	14
Wes-Tex Drlg	9	dsl	700	Nat 50A	700	10
	17	dsl	335	MC U34	500	8
BRAZORIA						
Bawden Int'l	31	d-e	2000	Nat 110UE	1500	18
Frio Drlg	2	dsl	800	Nat J45	600	10
	4	dsl	1100	Nat N55	1100	12
M G F Drlg-Houston	39	dsl	2200	Nat 125	1500	20
Richards Drlg Assocs	10	d-e	3400	Oiwl E3000	3000	30
	11	dsl	2500	Oiwl 860	2400	18
Spartan Drlg	6E	d-e	600	Sup 700E	700	10
Wilson Bros Drlg	3	dsl	2600	Nat 1320	2700	30
	23	d-e	2800	Oiwl E2000	2000	25
BRAZOS						
Atco Drlg Southern	4	dsl	1550	Nat 55	550	12
	19	dsl	1500	Oiwl 66	700	10.5
	50	dsl	1850	Nat 100HD	750	15
	52	dsl	1500	MC U40	900	12
Basin Drlg	12	dsl	1470	G-D 700M	1220	14
McMurrey Petr	1	dsl	800	S-H	750	10
Nicklos Drlg	68	d-e	1500	Oiwl 660E	1000	12.5
Spartan Drlg	7UE	d-e	600	Sup 700E	700	10

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
BROOKS						
Cinco Drlg	11	d-e	2000	Sup 1000	1000	16
Cliffs Drlg	29	dsl	2600	Nat 110	2475	20
Helmerich & Payne	37	dsl	2835	Oiwl M2000	2835	22
San Patricio Corp	6	dsl	1500	Shaf 800	900	13
Sonat Southland Drlg	3	dsl	1850	S/B N75		12
BURLESON						
Nixon Drlg	2	dsl	300	Crdw	300	4
	7	dsl	400	Midway	600	6.5
Starling Drlg	12	dsl	1500	Nat 610	1100	13
	19	dsl	1110	S/B N46	770	11
CALDWELL						
Nixon Drlg	1	dsl	300	Crdw CatD	300	4
	4	dsl	300	Stuart	300	4
CALHOUN						
Mess Drlg	3	dsl	675	Wels W45	550	8
Richards-Armstrong	6	dsl	2500	Oiwl 960	2400	18
CALLAHAN						
Hack Drlg	1	dsl	350	S/B N4	350	7
	4	dsl	225	Nat T8	250	4
Jones Drlg Co	51	dsl	425	S/B N4	425	6
	55	dsl	450	Beth S45	425	7
Safari Drlg	6	dsl	300	Emsco U34	370	6
CAMP						
Cape Drlg	5	dsl	400	W-N Apache 95040	425	6
Dixon Drlg	7	dsl	1700	S/B N46	950	13
CARSON						
Hudson Drlg, Leonard	8	dsl	300	Wils Mogul	450	5.5
Service Drlg	1	dsl	300	MC U34	300	4.5
CASS						
Nowotny & Conley Drlg	7	dsl	1600	Nat 610	1000	12.5
CHAMBERS						
Goldrus Drlg	21	dsl	1200	Cbot 1000	872	13.5
Harris Well Serv	30	dsl	2000	Idco 1200	1400	13.5
M G F Drlg-Houston	31	dsl	700	Oiwl 76	900	12
	37	dsl	500	G-D 500	700	9
M G F Drlg-Lafay	43	dsl	1800	Oiwl 96	1200	18
CHEROKEE						
Gibson Drlg	12	dsl	900	Emsco D2	900	12
Rainbow Drlg	5	dsl	2000	Cbot 1200	1200	15
	6	dsl	1600	Cbot 900	900	11
CLAY						
Bennett Prod Corp	1	dsl	900	MC U15	900	13
Burns Drlg	3	dsl	800	Wils 75	780	10.5
	5	dsl	744	Beth S55	780	10
COCHRAN						
Sitton Drlg	5	dsl	450	Wils 75P	900	11.5
COKE						
Bandera Drlg	6	dsl	800	MC U34	360	6.5
GCO Drlg	1	dsl	640	Nat T20	450	7.5
COLEMAN						
Safari Drlg	3	dsl	340	S/B N4	300	7
	8	dsl		Detroit Diesel 8V		8
COLORADO						
Buzzini Drlg	8	dsl	1400	Oiwl M2000	2000	20
Cliffs Drlg	42	d-e	2600	Nat 1320UE	3025	25
Frio Drlg	3	dsl	900	S/B N55	900	10.5
Loffland Bros	322	dsl	1800	G-D 800	2100	16
Padre Drlg	4	dsl	500	S/B H4210	400	7.5
Richards-Armstrong	7	dsl	1900	Cbot 1000	900	12.5
COMAL						
Loffland Bros	110	dsl	2180	S/B N12	2400	20
	331	dsl	2180	MC U1220	2400	20

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Mud Pumps	Total HP All Main Drawworks	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
COOKE							
Arbuckle Drlg	1	dsl	700	BDW 400T	500	8.5	
Burns Drlg	1	dsl	1360	Sea Coast 100048	780	14	
Feldenhoff Bros Drlg	1	dsl	285	Wils Mogul	195	5.5	
	2	dsl	95	Wils Giant	650	9.5	
	3	dsl	600	MAC 400	390	7.5	
Jones Drlg Corp	9	gas	816		800	14	
	11	dsl	600		600	10	
COTTLE							
Sojourner Drlg	6	dsl		MC U15	580	7	
CRANE							
BJM Drlg & Expl	4	dsl	1200	MC U15	1000	12	
Johnn Drlg	8	gas	800	S/B N75	800	12.5	
	9						
Resource Drlg	RD-26	dsl	1560	Nat 80B	1835	14	
Tahoe Drlg	1	dsl	550	Nat 50	550	11.2	
TMBR Drlg	25	dsl	700	G-D 500	700	11	
Verna Corp	11	dsl	550	MC U15	810	11.5	
	14	dsl	500	Wils Mogul 42	550	7	
	20	dsl	1000	Verna Drlg	1500	16	
	34	dsl	1000	Emsco A800	1200	15	
CROCKETT							
D B Drlg	12	dsl	1040	Nat 100	1040	16	
Delta Drlg	2	dsl	1400	G-D 700M	784	12.5	
	4	dsl	2150	Nat 100	1560	16	
	73	dsl	500	S-H 7000	440	9	
Dual Drlg	35	d-e	2000	Emsco D3	1000	16	
Kenai Drlg	32	dsl	1200	Emsco GA500	800	11	
Transcontinental Drlg-San Angelo	95	dsl	750	G-D 500	750	12	
Wes-Tex Drlg	15	dsl	335	S/B N4	500	8	
CROSBY							
D B Drlg	6	dsl	1150	S/B N45	575	9	
Norton Drlg	11	dsl	550	Wils 75	900	12	
CULBERSON							
Kenai Drlg	2	dsl	2000	Emsco J1250	1800	15	
Parker Drlg	16	gas	1000	Olwl 76	1000	16	
DAWSON							
D B Drlg	23	dsl	125	Unit U15	800	10	
GCO Drlg	5	dsl	820	MC U15	850	9.5	
Hurt & Assoc, Clint	9	dsl	1300	Wils 75	900	11	
Landis Drlg	1	dsl	1000	BDW 650M	1000	13	
	3	dsl	800	S/B N55	900	11.5	
Sterling Drlg	20	dsl	1260	Nat 610	840	13	
Wes-Tex Drlg	10	dsl	300	S/B N4	500	8	
	18	dsl	600	Nat 50CA	900	10	
DE WITT							
Buzzini Drlg	9	dsl	1400	Olwl M2000	2000	20	
Grace France Drlg	3	el	2400	Olwl E760	2400	17	
Richards Drlg Co	2	dsl	1500	S/B N75	1200	12.5	
DICKENS							
Wes-Mor Drlg	1	dsl		MC U15		8	
DIMMIT							
Bearden Drlg	10						
Dixon Drlg	9	dsl	700	S-H 5000 Part	450	6	
Texas Drlg	6	dsl	1700	Cbot 900	900	10	
DUVAL							
Atco Drlg Southern	59	d-e	2800	Emsco 11C	2000	18	
	61	d-e	2600	Emsco IIC	2000	20	
Buzzini Drlg	10	dsl	1400	Olwl M2000	2000	20	
	11	dsl	1700	Olwl E3000	3000	30	
Delta Drlg	99	d-e	3200	Emsco C2	3458	25	
Harkins & Co	5	dsl	1200	Cbot 750	650	9.5/4"	
Pearl Expl	1	dsl	600	Wils 65	500	7	
Quarles Drlg	11	dsl	2700	MC U914C	2400	22	
EASTLAND							
J & W Drlg	1	g-d	180	Harris 5000	340	5	
	2	gas	180	Idco 150	180	3.5	
	3	dsl	280	Wils Mogul 42	440	6	
ECTOR							
Cactus Drlg	61	dsl	550	Nat T20	480	6	
	62	dsl	550	Idco H35	454	6	
	69	dsl	750	Nat 370	718	10	
	70	dsl	800	Nat 370	916	10	
D & R Drlg	2	st	2000	Emsco EDA	1700	20	
Drillers	24	dsl	900	S/B N55	900	12	
Johnn Drlg	4	dsl	700	MC U15	700	8.5	

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Mud Pumps	Total HP All Main Drawworks	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ECTOR (Cont'd)							
Kenai Drlg	10	dsl	365	Emsco GA250T	400	6	
	16	dsl	700	Emsco GA500	780	11	
	19	dsl	825	Emsco GA500	800	11	
Moran Bros	4	el	1500	Emsco A800E	1060	15	
	72	el	1300	Nat 110UE	1500	20	
Penrod Drlg	102	dsl	1800	Nat 610M	964	18	
Santa Fe Drlg	SFW-10	d-e	2900	Emsco Electrohoist H11	1800	24	
	SFW-12	d-e	2300	Emsco A1100E	1800	20	
	SFW-14	d-e	3200	Emsco C3111	3000	30	
	SFW-3	d-e	2900	Emsco A1500E	2000	30	
	SFW-4	d-e	2800	Emsco C3111	3000	30	
	SFW-6	d-e	2300	Emsco C3111	3000	30	
	SFW-8	d-e	2900	Emsco A1500E	2000	30	
	25W	d-e	1000	Nat 80UE	1000	12	
	26W	d-e	1000	Nat 80UE	1000	12	
Sierra Drlg Co	5	dsl	500	Wels W45	400	7.5	
TMBR Drlg	23	dsl	1100	Nat 75CA	1100	14	
	26	dsl	700	G-D 500	700	11	
Verna Corp	15	dsl	600	MC	600	11.5	
	17	dsl	550	MC U15	650	11.5	
	18	d-e	1000	Nat 1320E	2000	22	
	31	dsl	1212	MC U15	800	11	
	38	dsl	1212	MC U15	800	11	
	40	dsl	700	MC U15	800	11	
EL PASO							
Loffland Bros	37	d-e	2180	MC U914B	2400	20	
ELLIS							
Jay-Lan Corp	3	dsl	340	Wils 42	825	5/5"	
ERATH							
Lynx Drlg	1	dsl	1000	MC U15	720	10	
	3	dsl	500	Idco H30	360	7	
FALLS							
Nicor Drlg	73	d-m	1500	Cbot 2550TRD	1200	15	
FAYETTE							
Blocker Drlg	25					12	
Houtach Energy	801	dsl	1500	Seaco 1400M	1300	15	
	802	dsl	1600	G-D 700M	1200	15	
Resource Drlg	RD-28	dsl	1040	Nat 610	1220	12	
	RD18	dsl	1040	Nat 610	1220	12	
Sterling Drlg	1	dsl	350	MC U34	285	4.8	
	5	dsl	350	Emsco GBJ50	600	7	
	7	dsl	850	Nat 50A	900	12	
	10	dsl	1400	S/B N75	1100	13	
	15	dsl	1400	S/B N75	1100	14	
	18	dsl	1250	Nat 610	1100	13	
Williams Drlg of South TX	1	dsl	585	Cbot 750	750	9.5/4"	
FISHER							
Herb Expl	1	g-b		Fall 1500	10	15/2.38"	
Safari Drlg	7	dsl	480	Emsco G42	560	7	
Sojourner Drlg	3	dsl		MC U15	550	7	
Wes-Tex Drlg	19	dsl	800	S/B N4	800	8	
FOARD							
Burns Drlg	2	dsl	900	Wils 75	780	10.5	
Moran Drlg, E W	18	dsl	1200	S-H 7000	40	9.5	
FORT BEND							
Delta Drlg	80	dsl	1300	S-H 7000	480	9	
Rio Grande Drlg	8	dsl	550	Nat 370	770	10	
FRANKLIN							
Lelta Drlg	54	dsl	2000	Nat 80B	1560	14	
FREESTONE							
Basin Drlg	11	dsl	1470	G-D 700M	1220	14	
Delta Drlg	5	dsl	2000	Nat 100	1560	16	
Dual Drlg	7	dsl	2100	Nat 1320M	2000	25	
FWA Drlg	26	dsl	2000	G-D 800M	1560	14	
	28	dsl	2700	G-D 1100M	1560	18	
Hinton Drlg, W B	6	dsl	1800	Nat 80B	1850	15	
Maxwell Herring Drlg	18	dsl	2475	G-D 1100	2475	20	
Murco Drlg	42	d-e	2800	Olwl E2000	2000	25	
Noble Drlg	N-81	dsl	1420	Nat 80	1420	14	
O'Neal Drlg	14	dsl	15000	Nat 80B	1500	15	
	15	d-e	2000	G-D 800	1500	18	
Verna Corp	28	dsl	1600	MC U15	800	10	

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Mud Pumps	Total HP All Main Drawworks	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
FRIO							
Bearden Drlg	6	dsl	1200	Wils 75	900	9.5	
Cinco Drlg	8	dsl	1015	MC U15	780	11	
F & N Drlg	1	dsl	525	Kramco KB60	600	8	
GAINES							
BJM Drlg & Expl	1	dsl	600	MC U15	600	12	
Cactus Drlg	53	dsl	850	Beth S55	670	7.5	
	54	dsl	600	Beth S55	464	6	
	64	dsl	700	S/B N45	670	7.5	
	66	dsl	500	S/B N4	454	6	
Cherokee Drlg & Dev	3	dsl	1150	Wils 75	900	11	
GCO Drlg	9	dsl	1450	Beth 650	850	14	
Henley Drlg	219	dsl	600	S/B N46	950	12	
Hondo Drlg	2	dsl	700	S/B N55	700	15	
	6	dsl	700	MC U15	700	10	
	9	dsl	700	S/B N45	700	10	
	11	dsl	800	MC U15	860	11.5	
Moran Bros	37	dsl	1000	Nat 610	750	12	
Parker Drlg	65	gas	1600	Nat 100M	1600	23	
Rod Ric	6	dsl	450	Beth S45E	450	7.5	
	8	dsl	670	S/B N45	680	8	
Sitton Drlg	7	dsl	450	Wils 75P	900	11.5	
Sterling Drlg	2	dsl	350	MC RV34B	285	4.8	
GALVESTON							
Goldrus Drlg	19	dsl	1110	Cbot 750	580	10	
	23	dsl	870	Cbot 900	680	12	
Pozos Intl Drlg Serv	1080	dsl	1500	Idco BIR9005	940	11	
Resource Drlg	RD-21	dsl	2330	Nat 110	2740	18	
Wilson Bros Drlg	5	dsl	2900	Nat 110M	2700	20	
GARZA							
Douglas Drlg	2	dsl	900	BDW 650M	990	12.5	
Mesa Drlg	2	dsl	675	Wels W45	500	8	
Wes-Tex Drlg	5	dsl	550	Nat 50A	700	10	
GLASSCOCK							
Cactus Drlg	25	dsl	1450	Idco L711	110	12	
Delta Drlg	100	d-e	2000	Emsco D3	1560	16	
Dual Drlg	19	dsl	2100	Olwl 760	1860	16	
FWA Drlg	3	dsl	1250	Wils Super Giant	1040	13	
	9	dsl	1150	Wils Giant	720	11.5	
	30	dsl	1100	Wils Giant	900	10	
Grace TRG Drlg	486	dsl	1200	I-R 2550	1500	16	
Hondo Drlg	8	dsl	800	S/B N75	800	12.5	
Kenai Drlg	28	dsl	1200	S/B N7	800	12	
Moran Bros	66	dsl	1300	S/B N75A	750	15	
Quarles Drlg	5	dsl	850	Nat 50A	500	12	
Safari Drlg	4	dsl	310	Nat T20	270	6	
	5	dsl	370	Emsco GA250T	280	5	
Sterling Drlg	21	dsl	1180	S/B N46	770	11	
Tri-Service Drlg	3	g-b	750	Olwl 76	750	13	
	6	dsl	1800	Olwl 96	1800	16	
Tucker Drlg	11	dsl	525	BDW 800	1260	14	
TMBR Drlg	29						
Wes-Tex Drlg	4	dsl	650	Emsco G500	650	1	
Willbros Drlg	3	dsl	600	MC U15	800	11	
GOLIAD							
Corpus Christi Drlg	7	dsl	300	Wils Super 38	250	5.4	
Helmerich & Payne	87	d-e	900	Nat 1625ME	3000	30	
Nicor Drlg	9	dsl	2000	OIME 1500SL	1500	18	
Resource Drlg	RD5	dsl	2330	Nat 110	2740	18	
GONZALES							
Challenger Drlg	35	dsl	800	S/B N75	1200	12	
Cinco Drlg	1	dsl	900	MC U15	780	11	
	2	dsl	860	Nat T32	850	8	
	4	dsl	1005	S/B N45	780	8.5	
	9	dsl	1700	Beth 650	1100	16	
Harkins & Co	10	dsl	1820	Emsco B1013	1820	16	
Moran Drlg, E W	26	dsl	1300	CEI 750	750	11	
GRAY							
Hudson Drlg, Leonard	7	dsl	900	Unit U15	900	11.5	
GRAYSON							
Jones Drlg Corp	12	dsl	1200		1200	10	
Moran Drlg, E W	1	dsl	1800	G-D 700	800	13	
	3	dsl	1300	G-D 700	800	13	
	17	dsl	1925	Wils 250	2060	22	
Noble Drlg	N-87	dsl	1200	Nat 80B	1200	15	
Viersen & Cochran Drlg	19	dsl	1200	Nat 610	850	12.5	

TEXAS (Cont'd)

Contractor	Type Power, Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
GREGG					
Delta Drlg	69 dsl		S-H 7000	480	9
Gibson Drlg	3 dsl	820	Wils Mogul 42	686	8.5
Henley Drlg	9 dsl	4000	Emsco C2	2000	25
Rosamond Drlg	10 e-s	550	Owl 500	600	10
GRIMES					
Moran Bros	38 el	3200	Emsco C2 Type II	2000	25
	175 el		MC 1220EB		25
GUADALUPE					
Nixon Drlg	3 dsl	300	Crdw	300	4
HANSFORD					
Baker & Taylor Drlg	9 dsl	870	MC U15	870	11
Moran Drlg, E W	24 dsl	1200	S-H 7000	400	9.5
Sage Drlg	4 dsl	350	S/B N42	500	11
Service Drlg	3 dsl	300	MC U34	400	8.5
HARDEMAN					
Bearden Drlg	8 dsl	1200	Wils 75	900	9.5
Bennett Prod Corp	2 dsl	900	MC U15	900	13
	3 dsl	900	MC U15	900	13
	4 dsl	900	Permian 1000	900	13
Burns Drlg	6 dsl	1360	MC U36A	780	14
	7 dsl	1020	Unit U15	744	10
Dual Drlg	5 dsl	1200	Wils Mogul	600	9.5
Lee Drlg	2 dsl	850	BDW 450T	550	9
	3 dsl	1100	BDW 450T	700	9
Moran Drlg, E W	15 dsl	1200	Beth S60	400	10
	19 dsl	1400	Wils 75	900	11
	23 dsl	1400	Wils 75	900	11
Schlensker Drlg	2 gas	700	Beth MC450	900	12
Theles Drlg	1 dsl	1450	S/B N46	1020	12
	2 dsl	1450	Emsco U15	1020	12
HARDIN					
Big 6 Drlg	7 dsl	800	Idco	600	10
Challenger Drlg	36 dsl	650	Nat G45	700	9.5
Dixilyn-Field Drlg	11 dsl	2600	Nat 110M	2331	18
Pozos Intl Drlg Serv	981 dsl	1890	S/B N46	940	12.5
HARRIS					
Atco Drlg Southern	53 dsl	1600	Nat 610UE	800	12
BSE Drlg	1 dsl	500	Wils Mogul 42	500	9
Challenger Drlg	37 dsl	2400	Idco 2500	2400	28
Frio Drlg	1 dsl	800	Emsco 350	550	9.5
Haning & Young Drlg	102 d-m	2000	OIME SL7	1000	12.5
	201 d-e	2600	S/B NE95	1700	19
	202 d-e	2600	S/B NE95	1700	19
Penrod Drlg	134 dsl	3200	Nat 1625DE	2000	30
Rosamond Drlg	14 d-e-s	2000	Nat 80UE	2000	16
Sloan Drlg	22 dsl	440	Mac 300	450	7
Westburne WW Drlg	206 dsl	1400	Emsco A800E	1000	14
	207 dsl	1400	Nat 110UE	1500	18
	208 dsl	1400	Emsco C1	1500	18
	209 dsl	1400	Emsco C1	1500	18
	214 dsl	2000	Nat 1100EH	1500	18
Wilson Bros Drlg	18 dsl	1300	Nat 110	3300	20
HARRISON					
Lester Drlg, Dan	8 dsl	1850	Oiwl 760	1500	16
Lohmann Drlg	17 gas	800	MC U15 SN356	600	10
Rainbow Drlg	3 dsl	1600	Cbot 900	900	11
Rosamond Drlg	7 dsl	1275	S/B N10	1275	12.5
Schlensker Drlg	20 dsl	1270	Nat 75CA	1270	14
Spartan Drlg	32		MC U15		11
HARTLEY					
Grace TRG Drlg	23 dsl	1400	Nat 80B	1305	16
HASKELL					
Hack Drlg	3 dsl	350	Beth S45E	350	7
Sojourner Drlg	2 dsl		MC U15	550	7
HEMPHILL					
Baker & Taylor Drlg	8 dsl	870	MC U15	870	11
Helmerich & Payne	80 d-e	2200	Nat 110UE	1500	20
Moran Bros	68 el	3200	Emsco C2	2000	25
Moran Drlg, E W	13 dsl	1450	G-D 700	800	13
Parker Drlg	218 gas	1400	OIME 1000C	1400	18
Service Drlg	12 dsl	1000	Emsco D2	800	12
Slawson Drlg	6 dsl	360	Idco H525	480	8.5

TEXAS (Cont'd)

Contractor	Type Power, Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
HASKELL (Cont'd)					
Unit Drlg & Expl	14 dsl	1000	G-D 700	1300	16
Zenith Drlg	9 dsl	1200	G-D 800	1200	16.5
HENDERSON					
Delta Drlg	64 dsl	1500	Emsco D2 Type III	794	11
	90 d-e	2000	Emsco D3 Type II	2592	16
Helmerich & Payne	89 d-e	2730	Nat 110UE	2730	20
Maxwell Herring Drlg	3 dsl	1350	G-D 800	1350	13.5
	15 dsl	1475	S-H 7000	518	10
	21 dsl	1709	S/G N75A	1059	13
Murco Drlg	38 d-e	1700	Oiwl 660E	700	12
Sawyer Drlg & Serv	11 dsl	600	Wils Giant	400	9
Schlensker Drlg	3 dsl	700	Oiwl 760	1500	14
HIDALGO					
Atco Drlg Southern	18 d-e	2000	Nat 80UE	1000	15
Delta Drlg	89 d-e	2000	Emsco D3 Type II	2592	16
	95 d-e	2900	Emsco CI Type II	3458	20
Dixilyn-Field Drlg	24 dsl	2800	Oiwl 860	2331	18
Harkins & Co	11 dsl	1260	S/B N75	1260	12.5
Magee-Poole Drlg	5 dsl	1500	Cbot 900	950	11/4"
	9 dsl	2350	Cbot	1500	16
Resource Drlg	RD-24 dsl	2330	Nat 110	2740	18
	RD16 dsl	1560	Nat 80B	1835	14
	RD8 dsl	2330	Nat 110	2740	18
Williams Drlg of South TX	3 dsl	800	Idco BIR8085	950	11.5/4"
Willis Drlg	1 dsl	750	Emsco 450	1000	12
	2 dsl	750	Emsco 450	1000	12
	4 dsl	1000	S/B N85	1200	15
HOCKLEY					
D & R Drlg	1 st	1600	Nat 3410FE	1600	17
Kenai Drlg	13 dsl	800	Emsco GA250T	400	6.5
Norton Drlg	1 dsl	450	Wils 65P	850	10
	4 dsl	550	Wils 75	850	10.5
	7 dsl	450	Wils 65	650	8.5
Sitton Drlg	1 dsl	450	Wils 600	525	6.5
	8 dsl	650	Wils 75P	900	10
Verna Corp	1 dsl	600	S/B N55	800	12.5
	3 dsl	500	S/B N45	500	6.5
	4 dsl	500	S/B N4	500	6.5
	5 dsl	500	Wils Mogul	500	6.5
	6 dsl	550	S/B N55	800	12
	7 dsl	700	MC U15 Type	800	11
	8 dsl	500	Idco H40	500	6.5
	9 dsl	600	Idco H40	500	6.5
	33 dsl	550	MC U15	800	9
	36 dsl	550	MC U15	550	11
	39 dsl	600	MC U15	550	11
Willbros Drlg	6 dsl	800	Emsco G500	800	12
HOPKINS					
Lester Drlg, Dan	9 dsl	1500	Oiwl 760	1500	16
HOUSTON					
Challenger Drlg	56				
Forex Neptune and/or Affil	46 d-e	3200	G-D 1500E	2000	21.7
	52 d-e	3200	G-D 1500E	2000	21.7
Gibson Drlg	11 dsl	1200	Emsco D2	1200	12
Nicklos Drlg	70 d-e	1700	Oiwl 760E	2000	15
Parker Drlg	129-HH/ 17 dsl	1500	OIME TBA2000	2000	20
	133-HH/ 21 dsl	1500	OIME TBA2000	2000	20
HOWARD					
Cactus Drlg	58 dsl	550	Beth S45E	454	8
Grace TRG Drlg	3 d-m	1245	G-D 700M	1100	13
	301 dsl	1000	Wils 75	900	12
GCO Drlg	6 dsl	820	BDW 650M	650	9
Moran Bros	54 dsl	970	Nat T20	300	6
Riley Drlg	3 dsl	300	MC U34	225	4
Robinson Drlg of Texas	2 dsl	750	MC U15	900	10
	3 dsl	750	MC U15	900	10
TMBR Drlg	16 dsl	700	Nat 50CA	600	10.5
Wee-Tex Drlg	16 dsl	335	S/B N4	500	8
HUTCHINSON					
Diatom Drlg	2 dsl	630	I-R 600	650	10
Service Drlg	6 dsl	300	MC U34	300	4.5
	7 dsl	300	Beth S45	300	5.5
	11 dsl	400	MC U34	400	5

TEXAS (Cont'd)

Contractor	Type Power, Rig No.	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
IRION					
Bearden Drlg	9 dsl	1200	Wils Mogul Super 42	900	9
D B Drlg	5 dsl	585	S/B N4	450	8
	9 dsl	940	Schl 50560006	450	8.5
	11 dsl	720	Nat T32	575	8.5
FWA Drlg	12 dsl	915	Wils Giant	900	10
GCO Drlg	8 dsl	1000	Nat 370	850	10.4
Mellon Drlg	1 dsl	750	Emsco GB250	570	7.8
	2 dsl	1300	Emsco GB350	750	10
Transcontinental Drlg-San Angelo	34 dsl	874	Beth S55	850	8
Tucker Drlg	5 dsl	750	Emsco GE500	750	10
	6 dsl	750	S/B N75	750	12
TMBR Drlg	3	800	Wels W45	450	7
	31 dsl	600	MC U15	500	7
	32 dsl	1200	Nat T16		
Wee-Tex Drlg	2 dsl	850	Beth S45E	850	10
JACK					
Bearden Drlg	12				
Burns Drlg	9 dsl	550	Hoop GTXXA	425	8.5/4"
C M D Drlg	1 dsl	750	Wils Mogul 42	398	7
Megargel Drlg	2 dsl	750	MC U15	750	7
JACKSON					
Blocker Drlg	17 dsl	825	S-H	530	7
Frio Drlg	5 d-e	1000	Idco ED1200	1200	16
M N D Drlg-Southern	5 dsl	1536	S/B N95	1536	18
	12 d-e	1820	MC U712	1200	16
	14 d-e	1820	MC U712	1200	16
Magee-Poole Drlg	14 dsl	1475	Cbot Explorer III	700	9/4"
Padre Drlg	6 dsl	500	S/B H4210	400	7.5
PRC Drlg	8 dsl	2331	S/B N95A	2331	18
	9 dsl	1790	RMI 4610	1040	14
	10 dsl	1084	Coop LTO700	550	16
South Texas Drlg	4 dsl	1000	S/B 1048	750	10
JEFFERSON					
Big Chief Drlg	11 dsl	1350	S/B N75	1350	13
	22 gas	1800	Nat 80B	1800	14
	25 dsl	3000	Nat 110	2000	20
	35 gas	2610	Nat 110	2610	20
	44 dsl	2400	S/B N95	2400	20
Cliffs Drlg	33 dsl	2000	Nat 80B	1850	14.5
Drillers	10 dsl	1800	Nat 100M	1800	18
	11 d-h	1500	Automatic H2000	2000	12
	15 dsl	1000	Oiwl 66	800	12
	30 dsl	800	Unit U15M	1000	11
	39 d-e	1200	Idco 700E	1000	14
Eljay Drlg	1 d-s	2800	Oiwl E2000	2000	25
Kelley Onshore Drlg	11 d-e	1700	Oiwl 750	750	12
Nicklos Drlg	74 d-e	2800	Oiwl E2000	2000	25
Pozos Intl Drlg Serv	81 dsl	1890	S/B N46	940	12.5
Richards Drlg Ltd	9				
Rosamond Drlg	8 dsl	2475	Nat 130	2475	20
JIM HOGG					
Cinco Drlg	12 d-e	3000	Nat 1320UE	2400	24
Delta Drlg	88 d-e	2800	Emsco C1 Type II	3458	18
Penrod Drlg	124 dsl	1800	Nat 1625M	3000	30
JIM WELLS					
Challenger Drlg	48 dsl	900	Idco 750	900	10
Dixilyn-Field Drlg	2 dsl	1800	S/B N7.5	1040	12
	9 dsl	2650	Nat 130	2331	20
	10 dsl	1295	Nat 55	1040	12
Harkins & Co	13 dsl	1477	Cbot 1000	1000	12
Magee-Poole Drlg	6 dsl	2000	OIME SL7	1300	16.8
	7 dsl	1130	Cbot 750	608	9/4"
	15 dsl	1475	Cbot Expl III	700	9/4"
Murfynson Drlg	10 dsl	1000	MC U15	600	10
KARNES					
Delta Drlg	81 dsl	1300	S-H 7000	480	9
KAUFMAN					
Cape Drlg	6 dsl	1500	MIDWAY 750D	800	13.5
KENEDY					
Cinco Drlg	14 d-e	2400	OIME SD5	1500	14
Delta Drlg	20 d-s	2800	Emsco C2 Type II	3458	20

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
KENEDY (Cont'd)						
Harkins & Co	14	dsl	1150	Cbot 900	900	11/4"
Magee-Poole Drlg	4	dsl	1500	Cbot 900	950	11/4"
	10	dsl	1500	Cbot 900	950	11/4"
Moran Bros	39	el	2600	Emsco C1 Type II	1500	20
Willis Drlg	7	dsl	1350	S/B N95	2400	20
	8	dsl	1000	BDW 800	1000	12
KENT						
Verna Corp	10	dsl	700	MC U38A	1200	12
KING						
Mesa Drlg	1	dsl	725	TSM 6000	450	7.5
Wes-Mor Drlg	4	dsl	400	MC U15		7.5
	5	g-b	485	MC U15	290	7.5
KLEBERG						
Harkins & Co	12	dsl	1050	Cbot 750	650	9.5/4"
Pearl Expl	2	dsl	600	Wils 65	600	8.5
Willis Drlg	5	dsl	7500	S/B N75	1000	12
KNOX						
Bandera Drlg	1	dsl	750	MAC 300	475	7.5
Bearden Drlg	1	dsl	1200	Wils Mogul Super 42	750	9
Lee Drlg	1	dsl	1100	BDW 450T	500	9
LA SALLE						
Bearden Drlg	3	dsl	1200	Wils Mogul Super 42	750	9.5
Blocker Drlg	8	dsl	1820	Cbot Expl III	1400	14
South Texas Drlg	5	dsl	500	S/B N45	500	8
LAVACA						
B D K Drlg	1	dsl	1000	Wils Giant	580	8.5
	9	dsl	1480	S/B N75	1000	12
Delta Drlg	17	d-e	2300	Emsco C1 Type II	2592	16
FWA Drlg	24	dsl	1350	Wils Mogul 42	720	11
Harkins & Co	9	dsl	2100	Emsco A1100	2100	18/5"
Magee-Poole Drlg	2	dsl	1500	OIME 750SL	1155	14
Richards Drlg Co	12					
Rio Grande Drlg	9	dsl	1300	Nat 110M	2400	20
Spartan Drlg	17E	d-e	1000	Olwl 750E	1000	16
LEA						
Cactus Drlg	67	dsl	550	Nat T32	454	8.5
LEE						
Challenger Drlg	48	dsl	1000	Unit U36	1000	13
M G F Drlg-Houston	7	dsl	700	MC U15	800	11
Resource Drlg	RD-20	dsl	1040	Nat 610	1220	12
	RD19	dsl	1040	Nat 610	1220	12
Spartan Drlg	15E	d-e	600	Sup 700E	700	12
LEON						
Gibson Drlg	2	dsl	526	Wils Mogul 65	398	5
	10	dsl	1200	Emsco D2	1200	12
Hinton Drlg, W B	11	d-e	2600	Nat 1320UE	3000	25
Murco Drlg	30	dsl	2800	Olwl N200B	3000	25
Sonat Southland Drlg	7	dsl	1450	S/B N55		10
Spartan Drlg	12UE	d-e	500	Sup 700E	700	10
	16UE	d-e	800	Sup700E	700	10
LIBERTY						
Aguila Drlg	11	mch	250	Trailer Mounted		6
Big 6 Drlg	8	d-e	1600	Nat 610	900	12
Cliffs Drlg	31	dsl	2600	Nat 110	2475	20
Goldrus Drlg	5	d-e	3400	Olwl E2000	1700	20
	18	dsl	1700	1000 Cbot	872	14
Harris Well Serv	35	dsl	600	Wils 75	900	10
Loffland Bros	118	d-e	3300	MC U1220EBD	3300	25
Richards Drlg Co	5	g-b	1200	S/B N75	900	12.5
Wilson Bros Drlg	12	dsl	1850	Nat 110	1850	16
LIMESTONE						
Butler-Johnson	2	dsl	1900	S/B N85	1900	15
M N D Drlg-Southern	2	dsl	1794	S/B N75	1024	14
Maxwell Herring Drlg	22	dsl	1775	Wils 75	1100	10
LIPSCOMB						
Hudson Drlg, Leonard	1	dsl	900	MC U15	900	11.5
	5	dsl	900	S/B N7	900	11.5
Mercury Drlg	2	dsl	1500	MC U15	950	12
	4	dsl	1500	MC U15	950	12
Service Drlg	13	dsl	400	MC U1500	800	12
LIPSCOMB (Cont'd)						
Triad Drlg	4	dsl		S/B N7	800	11
Unit Drlg & Expl	1	dsl	500	MC U15	800	11
	7	dsl	500	MC U15	800	11
LIVE OAK						
Corpus Christi Drlg	5	dsl	300	Wils Super 38	250	6
Dixilyn-Field Drlg	12	dsl	2600	Nat 110M	2331	18
Loffland Bros	88	d-e	2160	MC U712	2400	16
	104	d-e	3300	Emsco 3000	3300	35
Moran Bros	173	el		MC U914EC		20
Penrod Drlg	132	dsl	1000	Nat 80B	1760	
Sonat Southland Drlg	4	dsl	1450	S/B N7		10
LOVING						
Cactus Drlg	2	dsl	2200	Nat 110 M	2550	20
	30	dsl	2000	Nat 110	1650	20
	55	dsl	600	Idco H35	670	6.5
Cliffs Drlg	27	dsl	2600	Nat 1320	2475	25
Loffland Bros	112	d-e	3300	MC U1220EB	2200	25
Parker Drlg	39	gas	1600	OIME Hercules 2500M	1800	23
Rowan Drlg-US	8	dsl	2600	MC U1220S	2400	25
Santa Fe Drlg	SFW-16	d-e	1300	Emsco C11	2000	25
Sharp Drlg	43	dsl	2331	Olwl M2000	2742	30
	66	d-e	2331	MC U1220EB	2742	30
	72	d-e	2160	Olwl 840E	2430	22
LUBBOCK						
D B Drlg	1	dsl	550	S/B N4	450	8
MADISON						
M G F Drlg-Houston	38	dsl	1600	Emsco C1	1200	17
M N D Drlg-Southern	6	dsl	1540	G-D 500	770	10.5
Nicklos Drlg	69	d-e	1500	Olwl 660E	1000	12.5
Spartz. Drlg	18UE	d-e	600	Sup 700E	700	12
MARION						
Nelcon Drlg & Well Serv	1	dsl	600	S-H 7000	600	9
Sawyer Drlg & Serv	2	dsl	400	S/B N4	400	8.5
MARTIN						
Hurt & Assoc, Clint	10	dsl	1200	Wils 75	900	11
	11	dsl	1200	Wils 75	900	11
Phelps Drlg Intl	21	dsl	1000	Nat 370	550	9.5
	22	dsl	1000	Nat 370	550	9.5
Resource Drlg	RD-23	dsl	1040	Nat 610	1220	12
	RD-25	dsl	1580	Nat 80B	1835	14
Robinson Drlg of Texas	4	dsl	750	Nat 50A	900	12.5
Sharp Drlg	64	dsl	1560	Olwl 760	1836	18
Tahoe Drlg	2	dsl	500	Emsco D2	500	11.2
	4	dsl	700	G-D 500M	700	14
Tri-Service Drlg	8	g-b	750	Olwl 76	750	13
TMBR Drlg	4	dsl	840	Nat 50CA	600	10.5
	6	dsl	700	Nat 75CA	750	12
	24	dsl	1100	G-D 700	1100	14
Wes-Tex Drlg	20	dsl	600	Nat 50CA	900	10
Wilbros Drlg	7	dsl	1400	Emsco A800	1400	16
MATAGORDA						
Loffland Bros	107	dsl	2160	S/B N12	2400	17
M N D Drlg-Southern	10	d-e	1820	S/B N95	1820	20
Nicor Drlg	48	d-e	2700	MC U1220EB	2000	25
Padre Drlg	8	dsl	700	S/B H14610	750	10
Resource Drlg	RD14	dsl	2330	Nat 110	2740	18
	RD4	dsl	1560	Nat 80B	1835	14
Richards Drlg Co	8	dsl	2500	Olwl 860	2400	18
MC MULLEN						
Blocker Drlg	9	dsl	1115	Idco H1000	950	10
	15	dsl	1265	Cbot 900	950	10
Dixilyn-Field Drlg	23	dsl	2800	Olwl 860	2331	18
	25	d-e	1600	Nat 80UE	2000	15
Harkins & Co	3	dsl	1260	S/B N75A	1260	12.5
Loffland Bros	115	d-e	3300	MC U1220EBD	3300	30
Magee-Poole Drlg	1	dsl	1500	Cbot 900	950	11/4"
Nicor Drlg	51	d-m	1600	Idco H900M	1000	15
Pozos Intl Drlg Serv	80	dsl	1990	S/B N46	940	12.5
PRC Drlg	3	dsl	2237	S/B N46	1460	11.5
MEDINA						
Dixon Drlg	10	dsl	900	S/B N46	950	10
MIDLAND						
Cactus Drlg	3	dsl	1800	Nat 80B	1650	15
	4	dsl	950	Nat 55M	1100	13
	6	dsl	1300	Idco 711	1100	14
	9	dsl	900	S/B N75	1200	13
MIDLAND (Cont'd)						
Cactus Drlg	31	dsl	2000	Nat 1320	2550	25
	32	dsl	2000	Nat 1320	2550	25
	33	dsl	2000	Nat 110	2550	20
Cherokee Drlg & Dev	6	dsl		BDW 450	670	7
	7	dsl	1500	BDW 650	1050	12
Delta Drlg	61	dsl	1800	Idco Super 711	1640	15
FWA Drlg	11	dsl	1065	Wils Giant	900	11
	21	dsl	1000	Wils Mogul 42	720	10
M G F Drlg-Midland	2	dsl	800	MC U15	800	10
	9	dsl	850	Emsco GC500	850	14
	25	dsl	1725	S/B N95	1725	19
	201	dsl	1600	Nat 1320UE	2000	30
	202	dsl	1600	Nat 1320 UE	2000	30
	203	dsl	1300	Nat 110UE	2000	20
Robinson Drlg of Texas	6	dsl	950	S/B N75	1350	12.5
Sharp Drlg	61	dsl	2331	MC U914C	2742	23.5
Sterling Drlg	4	dsl	450	MC U15	285	5
	9	dsl	1350	S/B N75	1100	14
	16	dsl	1400	S/B N75	1230	14
	17	dsl	1500	S/B N75	1230	14
	22	dsl	1520	Nat 610	1100	13
Tahoe Drlg	3	dsl	7000	Emsco D1	700	14
TMBR Drlg	8	dsl	700	Nat 50CA	600	10.5
	27	dsl	1750	G-D 700	800	14
Wilson Bros Drlg	8	dsl	1750	Nat 110	1750	16
MITCHELL						
GCO Drlg	2	dsl	640	BDW 450	450	8
Riley Drlg	4	dsl	300	Cbot	300	4.5
MONTAGUE						
Burns Drlg	4	dsl	888	Wils 75	780	12/4"
Schlensker Drlg	4	gas	700	MC U15	800	10
	14	d-e	1300	MC U1220EB	2500	25
MONTGOMERY						
Challenger Drlg	20	dsl	900	S/B N75	1000	12
Henley Drlg	5	dsl	4000	Emsco C1	2000	18
M N D Drlg-Southern	3	dsl	1794	S/B N75	1024	12.5
	7	dsl	1540	BDW 800	770	10
	9	dsl	1540	G-D 500	770	10.5
	15	d-e	2000	MC U712	1200	16
Pozos Intl Drlg Serv	581	dsl	3000	S/B N12A	2650	25
Resource Drlg	RD15	dsl	1560	Nat 80B	1835	14
Richards Drlg Co	3	dsl	1800	S/B N75	1200	12.5
Sonat Southland Drlg	6	dsl	1100	Cbot		8.5
MOORE						
Baker & Taylor Drlg	18	dsl	700	Emsco GB250T	465	6
Diatom Drlg	1	dsl	458	I-R 550	574	7.5
NACOGDOCHES						
Butler-Johnson	14	d-e	2000	G-D 1100E	2000	20
Delta Drlg	15	dsl	1800	Emsco D3 Type III	1040	13.5
Exeter Drlg Southern	57	dsl	1500	Emsco D3	1500	16
Gibson Drlg	7	dsl	895	Emsco GB350	660	8.5
Murco Drlg	6	dsl	2200	S/B N95	1000	14
	62					
Rosamond Drlg	9	dsl	2300	G-D 700	1230	14
Schlensker Drlg	9	dsl	1500	OIME 1500SL	2205	18
Sonat Southland Drlg	2	dsl	1750	S/B N75A		12
NAVARRO						
FWA Drlg	20	dsl	1700	Wils Super Atlas	1040	14
Thunderbolt Drlg	53	dsl	1400	Wils 75	950	11
NEWTON						
Big 6 Drlg	6	dsl	800	Cbot	950	12
Challenger Drlg	29	dsl	720	Nat T45	860	9.5
NOLAN						
Bandera Drlg	11	dsl	925	BDW 450T	540	9
Dixon Drlg	8	dsl	900	S/B N42	650	8
	11	dsl	700	Nat T20	450	7.5
Wes-Tex Drlg	14	dsl	335	S/B N4	500	8
NUECES						
Cothrum Drlg	1	dsl	774	Emsco 350	836	9.5
Harkins & Co	4	dsl	1260	S/B N75A	1260	12.5
Willis Drlg	3	dsl	750	S/B N75	1000	12
OCHILTREE						
Baker & Taylor Drlg	12	dsl	870	MC U15	870	11

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½ - in. Pipe, 1000 ft. •	Rated Depth With
OCHILTREE (Cont'd)							
Bravo Drlg	2	dsl	870	BDW 800	870	14	
	3	dsl	870	BDW 800	870	14	
	4						
Hudson Drlg, Leonard	3	dsl	900	MC U15	900	11.5	
	4	dsl	900	MC U15	900	11.5	
	6	dsl	550	S/B N7	900	12	
Service Drlg	4	dsl	500	MC U15	800	9.2	
Slawson Drlg	7	dsl	480	Idco H525	480	11.5	
Unit Drlg & Expl	19						
Zenith Drlg	3	dsl	1000	S/B N7A	800	12.5	
	5	dsl	1200	BDW 800	800	16	
OLDHAM							
Baker & Taylor Drlg	1	dsl	870	MC U15	870	10	
ORANGE							
Big 6 Drlg	3	dsl	750	Cbot	600	11	
PALO PINTO							
Megargel Drlg	16	dsl	500	Shaf S6000	500	8	
PANOLA							
Butler-Johnson	3	g-b	1200	Emsco A550	1200	13.5	
	6	dsl	2000	S/B N85	1900	15	
	7	dsl	1100	Nat 55	1100	12	
Globe Drlg	3	dsl	800	MC U15	800	12	
	6	dsl	700	Emsco C50	700	10	
Grace France Drlg	1	dsl	1800	G-D 700	900	13	
	4	dsl	1300	G-D 500	800	11	
McMurrey Petr	3	dsl	800	S-H	750	10	
Nowotny & Conley Drlg	3	dsl	1750	S/B N46	1000	12.5	
Rosamond Drlg	5	dsl	1275	Beth MC450	1275	12.5	
Schiensker Drlg	8	dsl	635	Wils Mogul 42	475	7	
PECOS							
Cherokee Drlg & Dev	2	dsl	1150	Wils 75	900	11	
	4	gas	1150	Wils 75	900	11	
Delta Drlg	3	dsl	2300	Emsco C1 Type III	2331	18	
	38	dsl	2600	Emsco C2 Type III	2331	23	
Dual Drlg	30	dsl	1250	Oiwl 500	600	9	
FWA Drlg	14	dsl	900	Wils Mogul 42	600	7.5	
Grace TRG Drlg	22	dsl	1290	Nat 80B	1305	16	
Kenai Drlg	18	dsl	410	Idco H35	450	6.5	
Loffland Bros	77	dsl	1450	Nat 100	1575	15	
Parker Drlg	74	gas	1400	Nat 100M	1400	22.5	
	87	gas	1800	Idco E2000	1800	25	
	88	d-e	2700	Nat 130	3000	30	
	121	d-e	2700	Idco E3000	3000	30	
Penrod Drlg	114	dsl	1600	Nat 1625M	3000	30	
	121	dsl	1600	Nat	3000	30	
Quarles Drlg	6	dsl	2000	S/B N95	2200	22	
Resource Drlg	RD2	dsl	1560	Nat 80B	1835	14	
Sharp Drlg	34	dsl	2331	Beth 1013	2742	30	
	38	dsl	790	Beth M58	988	12	
	60	d-e	3108	Emsco C3 Type II	3656	30	
	67	dsl	2331	MC U914C	2742	23.5	
	73	d-e	4250	Emsco C3	4640	30	
Tri-Service Drlg	5	g-b	1800	Oiwl 760	1400	16	
	11	d-e	3000	MC 1220ED	3000	20	
Wes-Tex Drlg	7	dsl	335	S/B N4	450	8	
POLK							
Cliffs Drlg	28	dsl	2600	Nat 1320	2475	25	
	32	dsl	2600	Nat 110	2475	20	
Delta Drlg	6	dsl	2600	Emsco C1 Type III	2592	22	
M N D Drlg-Southern	11	d-e	1820	S/B N95	1820	20	
Woolf & Magee	6	dsl	850	Idco H35	500	10	
POTTER							
Baker & Taylor Drlg	11	dsl	1140	Emsco GCA500	1140	12	
Cheyenne Drlg	5	dsl	400	Nat T-20	450	5	
Service Drlg	5	dsl	1000	MC U15	800	10	
RAINS							
Delta Drlg	44	dsl	2000	S/B N95	1560	16	
FWA Drlg	27	dsl	2000	G-D 800M	1560	15.5	
Helmerich & Payne	79	d-e	2200	Nat 110UE	1500	20	
REAGAN							
Bearden Drlg	5	dsl	1200	Wils 75	900	9.5	
Big Chief Drlg	9	dsl	1200	Idco H35S	700	10	
	41	gas	1400	S/B N75	900	12	
BJM Drlg & Expl	3	dsl	1200	Nat 150AC	1000	12	
	5	dsl	600	MC U15	600	12	
Cactus Drlg	19	dsl	1050	Nat 50A	850	10	
D B Drlg	7	dsl	1235	Nat 50A	850	11.5	
	8	dsl	1025	Beth S55	800	10	
	14	dsl	1210	Nat 50A	850	11.5	
	25	dsl	125	Unit U15	800	10	

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½ - in. Pipe, 1000 ft. •	Rated Depth With
REAGAN (Cont'd)							
FWA Drlg	1	dsl	1300	Wils Giant	900	11	
	2	dsl	1100	Wils Super Giant	1040	13	
	4	dsl	1385	Wils Giant	900	11	
	8	dsl	1065	Wils Giant	900	11	
	17	dsl	1400	Wils Giant	900	11	
M G F Drlg-Midland	10	dsl	900	Beth M58	900	12	
Sterling Drlg	3	dsl	800	Nat 370	770	9	
	11	dsl	375	Idco H30	480	6.5	
Transcontinental Drlg-San Angelo	30	dsl	750	S/B N55	750	10	
	33	dsl	898	Unit U15	850	8.5	
Tri-Service Drlg	4	g-b	700	Oiwl 66	750	10	
TMBR Drlg	15	gas	700	MC U15	500	10.5	
	17	dsl	350	MC U15CA	500	9	
	18	dsl	500	MC U15CA	840	10	
	33	dsl	700	Wels W45	600	9	
Wes-Tex Drlg	12	dsl	335	S/B N4	500	8	
REEVES							
Cliffs Drlg	38	d-e	2800	Oiwl 840E	3300	18	
Henley Drlg	2	dsl	4000	Emsco C2	2000	25	
Kenai Drlg	20	dsl	500	Emsco GB250T	400	6.5	
Sharp Drlg	59	dsl	2331	Beth MC950	2742	23	
Willbros Drlg	9	d-s	3000	Idco E1700	3000	25	
Wilson Bros Drlg	20	dsl	800	Nat 80B	1425	16	
REFUGIO							
San Patricio Corp	7	dsl	1000	S/B RR600	400	8	
ROBERTS							
Hudson Drlg, Leonard	2	dsl	900	MC U15	900	11.5	
Mercury Drlg	1	dsl	2000	Emsco GB800	1470	16	
Sage Drlg	8	dsl	500	BDW 650	500	12.5	
Service Drlg	8	dsl	800	MC U15	630	7	
	9	dsl	1000	MC 800	800	10	
Triad Drlg	14	dsl	1150	U-15	800	10	
ROBERTSON							
Hinton Drlg, W B	7	dsl	1800	Nat 80B	1650	15	
M N D Drlg-Southern	4	dsl	1540	G-D 1100	1540	18	
Moran Bros	33	el	2300	Nat 110UE	1500	20	
Schiensker Drlg	6	dsl	950	MC U15	950	10	
	21	d-e	1300	G-D 1100E	1500	20	
RUNNELS							
Bandera Drlg	7	dsl	750	MAC 300	400	7.5	
Hack Drlg	2	dsl	350	S/B N4	350	7	
Morrison Drlg & Prod	101	dsl	72.5	Nat T20	475	6	
Safari Drlg	2	dsl	370	Crdw L350	370	7	
Sojourner Drlg	1	dsl		MC U15	550	7	
RUSK							
Gibson Drlg	1	dsl	606	Wils Mogul 42	398	5	
	9	dsl	1030	Wils Mogul 75P	700	9	
Hinton Drlg, W B	5	dsl	900	S-H 7000	450	10	
Loffland Bros	203	dsl	1140	MC U15	1000	10	
Rainbow Drlg	4	dsl	1600	Cbot 1200	1200	15	
Rosamond Drlg	11	dsl	1425	OIME SL5	1425	15	
	12	dsl	850	S/B N46	850	10	
Spartan Drlg	34			S-H 7000		9	
	4E	d-e	600	Sup 700E	700	10	
Wheless Drlg	2	dsl	1200	Emsco D2	1200	11	
Woolf & Magee	2	dsl	1550	G-D 700	1000	13.5	
SABINE							
Challenger Drlg	47	dsl	700	G-D 500	600	8	
SAN PATRICIO							
J & C Drlg	9	dsl	1050	Wils 600	630	9	
SAN SABA							
Tucker Drlg	8	dsl	550	Idco H40	550	9	
SCHLEICHER							
D B Drlg	22	dsl	750	Unit U34	450	7	
Delta Drlg	70	dsl	300	S-H 6000	380	7	
Mellon Drlg	3	dsl	750	Beth S50	375	6.2	
Wes-Tex Drlg	6	dsl	650	Beth S60	700	10	
SCURRY							
Bandera Drlg	4	dsl	925	BDW 450T	540	8.5	
D B Drlg	2	dsl	910	Nat T32	450	8.5	
	24	dsl	800	Beth S45E	575	8.5	
Grace TRG Drlg	418	dsl	800	Coop 750	500	7	
Riley Drlg	2	dsl	300	Nat	300	4.5	
Wes-Tex Drlg	21	dsl	350	MC U34	450	7	
SHACKELFORD							
Jones Drlg Co	53	dsl	225	Houston Portable	225	3	
Sojourner Drlg	5	dsl	250	MC U15	550	7	

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	4½ - in. Pipe, 1000 ft. •	Rated Depth With
SHELBY							
Gibson Drlg	4	dsl	506	Wils Mogul 65	398	5	
	5	dsl	1030	Wils 75P	700	9	
SMITH							
Delta Drlg	22	dsl	1800	Emsco D3 Type III	1560	14	
	40	dsl	1500	Emsco D2 Type III	784	11	
	74	dsl	1000	S-H 7000	480	9	
FWA Drlg	33	dsl	1750	G-D 700M	1040	12	
	35	dsl	750	Nat 370	800	9	
Globe Drlg	5	dsl	850	Oiwl 76	1000	14	
	7	dsl	3000	G-D 1100	1500	20	
	8	d-e	3000	G-D GD1000	1500	20	
Hinton Drlg, W B	3	dsl	1700	Nat 80B	1850	15	
Kelley Onshore Drlg	10	d-e	1700	Oiwl 750	750	12	
Maxwell Herring Drlg	2	dsl	2400	Beth M810	2400	14.4	
	12	dsl	1300	Wils 150A	2500	15	
	18	dsl	2700	G-D 1100	2700	20	
	20	dsl	1220	S/B 75A	1220	14	
Noble Drlg	N-58	dsl	800	Nat 55	800	12	
	N-812	dsl	1420	Nat 80B	1420	15	
Penrod Drlg	18	dsl	2250	Nat 1625M6	2200	10	
Spartan Drlg	31			MC U34		7.5	
Verna Corp	21	dsl	550	MC	800	10	
	22	dsl	550	MC U15	800	10	
	23	dsl	550	MC U15	800	10	
	24	dsl	550	MC U15	800	10	
	25	dsl	1000	MC U15	800	10	
	27	dsl	1000	MC U15	800	10	
	29	dsl	1000	MC U15	800	10	
	30	dsl	550	MC U15	800	10	
	32	dsl	1212	Verna U15	500	11	
	35	dsl	1000	Idco 711SJ	1200	14	
	37	dsl	1212	MC U15	550	11	
STARR							
Bawden Int'l	7	dsl	1200	Nat 55	700	11.5	
Harkins & Co	2	dsl	1500	S/B N95	1500	14	
San Patricio Corp	5	dsl	1000	Shaf 800	800	9	
Wilson Bros Drlg	15	dsl	2600	Nat 110	2700	20	
STEPHENS							
Bandera Drlg	9	dsl	700	MAC 300	475	7.5	
Bearden Drlg	11						
E & H Drlg	1	dsl	700	MC U15	700	7.5	
	6	dsl	600	Wils Mogul	350	6.5	
Wes-Mor Drlg	2	dsl		MC U34		6	
	8	g-b		MC U34		4.5	
	11	dsl		Wils Roadair		6	
STERLING							
Hondo Drlg	1	dsl	700	MC U15	700	15	
Tucker Drlg	2	dsl	750	Emsco GB500	750	10	
	12	dsl	750	Nat 50A	750	10	
Wes-Tex Drlg	1	dsl	650	Nat 50A	650	10	
	3	dsl	700	Nat 50A	700	10	
	11	dsl	450	Beth S55	700	10	
STONEWALL							
Bandera Drlg	2	dsl	470	MC U34	380	6.5	
Texzona Drlg	1	dsl	475	MC U34B	450	6.5	
SUTTON							
TMBR Drlg	11	gas	500	MC U15	500	10	
Wes-Tex Drlg	8	dsl	335		500	8	
TAYLOR							
Bandera Drlg	5	dsl	650	MAC 300	475	7.5	
Lynx Drlg	2	dsl	500	Idco H30	380	7	
	4	dsl	750	TSM-8000	540	9	
TERRELL							
Parker Drlg	89	gas	1600	Nat 1320	1600	23	
TERRY							
GCO Drlg	3	dsl	820	BDW 650M	650	12	
Helmerich & Payne	95	d-e	1800	Nat 80UE	800	15	
Norton Drlg	2	dsl	450	Wils Mogul 42	650	7	
	8	dsl	550	Wils 75	900	14	
	12	dsl	550	Wils 75	900	11.5	
Sharp Drlg	65	dsl	1580	Emsco D3	1836	18	
Sitton Drlg	6	dsl	650	Wils 75P	900	10	
THROCKMORTON							
Bandera Drlg	10	dsl	775	MAC 300	475	7.5	
Megargel Drlg	6	dsl	350	Beth S45B	275	6	
Morrison Drlg & Prod	103	dsl	925	Idco H35	550	7.5	
TITUS							
Cape Drlg	2	dsl	1000	S/B TR7W	600	8.5	
Gibson Drlg	6	dsl	506	Wils Mogul 42	318	5	
Thunderbolt Drlg	20	dsl	1150	Wils Mogul	478	8	

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
TOM GREEN						
McBay Oil & Gas	1	dsl	3406	Wils Super 38	3306	5
	2	dsl	3406	Beth S50	3408	8
Mallon Drlg	4	dsl	750	Beth S50	375	7
Tucker Drlg	3	dsl	350	S/B N45	600	6.5
	10	dsl	750	S/B N45	750	7.5
TYLER						
Blocker Drlg	6	dsl	1500	Cbot HT Expl	950	10
Cliffs Drlg	41	dsl	2600	Nat 1320	2475	25
UPSHUR						
Atco Drlg Southern	55	d-e	2000	Nat 80UE	1000	15
Lester Drlg, Dan	10	dsl	1800	Otwl 860	2400	20
Thunderbolt Drlg	52	dsl	2000	Nat 110M	1845	18
UPTON						
Ard Drlg	1	dsl	600	S-H	670	8.5
Big Chief Drlg	24	gas	1200	MC U15	900	11
Dual Drlg	14	dsl	1560	Otwl 760	1000	15
	31	dsl	1800	Otwl 500	600	9
Transcontinental Drlg-San Angelo	96	dsl	1000	MC U36A	850	12
TMBR Drlg	5	dsl	700	Nat 50CA	600	10.5
	19	dsl	700	Nat CA50	700	10
VAL VERDE						
Rowan Drlg-US	12	dsl	2000	Nat 1320M	2100	18
VAN ZANDT						
Delta Drlg	21	dsl	2300	G-D 1100	2592	17
Hinton Drlg, W B	8	dsl	1300	S-H 7000	400	10
	9	d-e	2600	Nat 110UE	3000	20
Noble Drlg	N-85	dsl	1630	Nat 80B	1830	15
Schlensker Drlg	5	dsl	950	MC U15	950	10
VICTORIA						
B D K Drlg	4	dsl	1095	S/B N7	870	11.5
	6	dsl	1000	S/B 4610	950	10
	8	dsl	1000	S/B 4610	750	10
Corpus Christi Drlg	6	dsl	300	S/B 550	450	6
Delta Drlg	87	d-s	2000	Emsco D3 Type II	2592	18
	94	d-e	2000	Emsco D3 Type II	2592	18
FWA Drlg	18	dsl	1150	Wils Giant	360	7.5
	29	dsl	2600	Nat 110	2400	20
Houtech Energy	803	dsl	1600	G-D 700	1200	15
Kelley Onshore Drlg	KK-3	d-e	2000	OIME SD7	1500	18
Padre Drlg	2	dsl	500	S/B H4210	400	7.5
Sonat Southland Drlg	1	dsl	1100	Emsco GB500		10
	5	dsl	1400	S/B N55		10
	8	dsl	1400	Emsco GB350		8.5
	10	dsl	1850	Beth M810		16
	11	dsl	3000	Emsco A1500		24
	12	dsl	3000	Emsco 1500A		18
	14	dsl	3000	Emsco A1500		18
	16	dsl	3000	S/B N12A		18
WALKER						
Henley Drlg	7	dsl	4000	Emsco C2	2000	25
Lanex Drlg	B-18	d-s	2700	G-D 1100E	1500	20
WALLER						
Bawden Int'l	3	d-s	2100	Nat 110E	1500	16
	4	d-s	2000	Nat 80UE	1000	14
	5	mch	2000	Nat 110M	1500	18
	15	d-e	1600	Nat 610E	750	12
	25	mch	1550	Otwl 76	700	13
	30	d-m	1850	Emsco D3 Type III	1000	15
WARD						
Cactus Drlg	22	dsl	1450	Nat 100	1650	15
	59	dsl	550	S/B N4	454	6
	68	dsl	500	Idco H30	454	6
Delta Drlg	86	dsl	500	S-H 7000	480	9
Grace TRG Drlg	403	dsl	800	Coop 750	800	9
	467	dsl	800	Coop 750	800	9
Loffland Bros	117	d-e	3300	MC U1220EBD	3300	25
Nowotny & Conley Drlg	4	dsl	1600	Nat 610	1000	12.5
Parker Drlg	58	dsl	1650	Nat 100M	1650	16
Resource Drlg	RD3	dsl	3105	Nat 1320	3740	25
Sharp Drlg	370	d-e	1488	MC U712EC	1995	18
WASHINGTON						
Haning & Young Drlg	101	d-m	1800	Nat 610	750	12.5
Resource Drlg	RD-31	dsl	1560	Nat 80B	1835	14

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
WEBB						
Alanco Drlg	3	dsl	1425	Idco H1000	975	11
Cliffs Drlg	40	d-e	2600	Nat 1320UE	3025	25
Dixon Drlg	12	dsl	900	S/B N4	450	8
FWA Drlg	25	dsl	2000	Wils 120	1560	18
Harkins & Co	1	dsl	1800	Emsco C Type III	1800	18/ 5"
J 3 Drlg	1	dsl	1375	MC U36A	950	14
Magee-Poole Drlg	8	dsl	1500	Cbot 900	950	11/ 4"
Moran Bros	67	dsl	1700	Emsco D3	1000	15
Nicor Drlg	56	d-e	2700	MC U1220EB	2000	25
Penrod Drlg	16	dsl	3075	S/B N12A	1840	20
	25	dsl	2800	Emsco C2	1950	25
	101	dsl	1684	S/B N46	1080	10
	125	dsl	1000	Nat 80B	1760	15
	128	dsl	1000	Nat 80B	1760	15
	131	dsl	1000	Nat 80B	1760	
	135	dsl	2000	Nat 80B	1000	15
	136	dsl	1000	Nat 80 B	1000	15
Rio Grande Drlg	7	dsl	750	OIME SL5	1500	12
South Texas Drlg	6	dsl	950	S/B N46	800	10
	7	dsl	910	Idco H1200	1200	15
Williams Drlg of South TX	2	dsl	1280	Cbot 900	900	10.5/ 4"
	4	dsl	800	Idco BIRB085	950	11.5/ 4"
Willis Drlg	5	dsl	1000	Idco H1700	2400	20
WHARTON						
B D K Drlg	10	dsl	1000	S/B N46	900	10
Big 6 Drlg	2	dsl	800	Cbot	800	10
Delta Drlg	101	d-s	2600	Emsco C1 Type II	2730	20
FWA Drlg	18	dsl	1350	Wils Mogul 42	730	8
Padre Drlg	7	dsl	700	S/B H14610	750	10
	10	dsl	1300	S/B 4610	450	8.5
WHEELER						
Baker & Taylor Drlg	3	dsl	1200	MC U20	1200	18
Helmerich & Payne	47	dsl	2475	Otwl M2000	2730	26
Loffland Bros	222	d-e	3300	MC U1220B	2200	28
Noble Drlg	OW-22	e-s	3300	Otwl E2000	3300	25
ONEOK Drlg	10	dsl	3000	Nat 110M	1500	20
Parker Drlg	182	dsl	2200	OIME SL1500P	2200	22
Quarles Drlg	10	dsl	2700	MC U914C	2400	22
Trigg Drlg	7	dsl	1200	S/B N95	1600	20
Viersen & Cochran Drlg	16	d-e	2400	Nat 1320	3300	23
WICHITA						
Moran Drlg, E W	7	dsl	1600	G-D 700	800	13
WILLACY						
Alanco Drlg	1	dsl	800	Idco H40	500	8.5
	2	dsl	1000	Idco H40	600	10
Magee-Poole Drlg	12	dsl	1500	Cbot 900	950	11/ 4"
Nicklos Drlg	76	d-e	2600	Nat 1320UE	1800	25
WILSON						
South Texas Drlg	8	dsl	600	S/B N46	550	8
WINKLER						
Butler-Johnson	11	d-e	2000	Nat 110UE	2000	20
Kenai Drlg	14	dsl	700	Emsco GC500	700	11.5
Penrod Drlg	117	dsl	1950	Nat 1625M	3000	30
Sharp Drlg	55	dsl	2321	G-D 2100	2742	30
WISE						
M N D Drlg-Northern	51	dsl	760	Nat 50	760	7
	52	dsl	760	Nat 50	760	7
	53	dsl	1040	MC U15	760	9
	54	dsl	1040	MC U15	760	9
	55	dsl	1040	MC U15	760	9
	59	dsl	1040	Emsco G350	760	9
	60	dsl	1040	MC U15	760	10
	61	dsl	1400	MC U36A	760	11
	62	dsl	1040	MC U15	760	10
	63	dsl	1040	MC U15	760	10
	64	dsl	1040	MC U15	760	10
	65	dsl	1400	MC U36A	760	12
	66	dsl	1400	MC U36A	760	12
Moran Drlg, E W	6	dsl	900	Beth S55	400	10
Wes-Mor Drlg	10	dsl		MC U15		7.5

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
WOOD						
Gibson Drlg	3	dsl	529	Wils 65	380	5
Goldrus Drlg	3	d-e	1700	Otwl E2000	3400	20
Grace France Drlg	6	dsl	1300	Nat 610	900	13
Helmerich & Payne	40	dsl	1650	Otwl 860	1815	20
Henley Drlg	220	dsl	1200	Cbot 900	1000	10
Justiss Oil	28	dsl	700	Otwl 96	1000	15
	33	dsl	1000	Otwl 96	1400	17
Maxwell Herring Drlg	17	dsl	2400	Beth 1500	2400	20
Schlensker Drlg	7	dsl	800	Unit U15	950	9.5
Spartan Drlg	33			S/B RR600		9
Thunderbolt Drlg	50	dsl	1750	Cbot 1200	1300	13.5
WOODWARD						
Unit Drlg & Expl	3	dsl	700	Nat 50A	800	11
YOAKUM						
Cactus Drlg	71	dsl	900	Emsco U36A	918	10
D B Drlg	3	dsl	585	S/B N4	450	8
Dual Drlg	26	dsl	2550	Wils 150A	1650	18
Grace TRG Drlg	303	dsl	1000	Wils 75	900	12
Hondo Drlg	10	dsl	1200	S/B N75A	1200	15
Norton Drlg	5	dsl	550	Wils 75	850	10.5
Sitton Drlg	4	dsl	650	Wils 75P	900	10
Varna Corp	2	dsl	600	S/B N55	800	12.5
YOUNG						
Burns Drlg	8	dsl	444	MC U34B	350	7.5
E & H Drlg	2	dsl	400	MC U34	325	6
	4	g-l	550	MC U15	550	7.5
Grand Drlg	1	dsl	800	Shaf SS8005	475	8
Wes-Mor Drlg	7	dsl	680	MC U34	680	7.5
ZAPATA						
Atco Drlg Southern	11	dsl	1600	Nat 55	550	12
	57	d-e	1600	Nat 610UE	800	12
Dixilyn-Field Drlg	14	d-e	2200	Otwl 840E	2000	18
Grace TRG Drlg	75	d-e	2200	Nat 1320UE	2400	22
Harkins & Co	6	dsl	1260	S/B N75A	1260	12.5
	8	dsl	1800	Emsco C1 Type III	1800	18/ 5"
Penrod Drlg	22	dsl	2600	Nat 1320N	1950	25
	119	dsl	1600	Nat 1625M	3000	30
	126	dsl	1000	Nat 80B	1760	15
PRC Drlg	5	dsl	1817	G-D 700M	1040	14
	7	dsl	2465	G-D 800M	1040	16
Texas Drlg	5	dsl	2000	Cbot 2550	1200	14
	10	dsl	2000	Cbot 2550	1200	14

UTAH

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	Rated Depth With 4½ - in. Pipe, 1000 ft. •
UNDESIGNATED						
Noble Drlg	OW-862	dsl	2400	Otwl 860	2400	18
TWT Expl	51	dsl				5.5
	55	dsl				8
	56	dsl				12
	57	dsl				17
	58	dsl				14
	59	dsl				12
W E S Corp	7		1000	Wils Giant	1000	12
	51	dsl				5
	58	dsl				14
	59	dsl				12
CACHE						
Manning, R L	7	g-b	750	Emsco G500	750	8.5
CARBON						
Loffland Bros	1	dsl	1290	MC U40	1440	13
Viersen & Cochran Drlg	7	dsl	2000	Unit U712	1400	18
DUCHESNE						
Lord Drlg	3	dsl	2200	Otwl M860	1650	18
Manning, R L	10	dsl	720	Otwl 660	720	10
Montgomery Drlg	31	dsl	2000	Nat 110UE	2700	18
	32	d-e	2700	Nat 110UE	2000	18
	43	e-s	2000	Nat 110UE	2000	20
	44	dsl	2000	Otwl 96	1000	20
	48	dsl	2000	Nat 110	2000	20
Nicor Drlg	60	dsl	1350	Nat 55M	700	15
	66	dsl	2000	MC U712A	1200	16
Parker Drlg	117	gas	2000	Nat 110	2000	22
	177	dsl	1650	OIME SL1500	1650	16.5
Westburne Drlg	58	dsl	820	Nat T32	310	7
EMERY						
Veco Drlg	2	dsl	425	May 5000	500	7
GARFIELD						
Loffland Bros	58	d-e	1600	Nat 80B	2000	15

Contractor	Rig No.	Type Power	Total HP All Mud Pumps	Drawworks Make and Model	Total HP Available to Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.

UTAH (Cont'd)

IRON						
Grace Bomac Drlg	93	d-e	3645	Nat 1320UE	2000	25
SAN JUAN						
Arapahoe Drlg	2	g-b	300	Nat T32	320	8
	10	g-b	700	Nat 50A	500	12
Bayless Drlg	1	dsl	1500	Idco H1000	950	10
Coleman Drlg	2	dsl	555	Idco H40D	700	8
	3	dsl	555	Idco H44	700	8
	4	dsl	850	S/B MODN48	900	12
Energy Drlg	1	dsl	400	Beth S45A	500	9
	2	dsl	535	Idco H35S	540	9.5
Energy Search Drlg	1	dsl	1500	Cbot 900	900	10
	2	dsl	1500	Cbot 900	900	10
Loffland Bros	29	d-e	1400	MC U36A	1600	11
Parker Drlg	116	d-e	1650	Nat 80B	1650	20
True Drlg	4	dsl	450	Emsco GA250T	500	6.5
Young Drlg	3	dsl	400	Wils 75	600	8.5
	5	dsl	750	Crdw K500	600	8
SEVIER						
Grace Bomac Drlg	56	dsl	2250	G-D 1100M	2250	20
SUMMIT						
Dixilyn-Field Drlg	39	d-e	3720	Nat 110UE	2000	18
Exeter Drlg Northern	56	dsl		G-D 1100	1650	20
Forwest	6	d-e	2600	Nat 110UE	2000	20
Grace Bomac Drlg	90	d-e	2730	Nat 110UE	2730	20
Loffland Bros	8	dsl	2100	MC U914C	2400	20
	60	d-e	1800	MC U712A	2000	17
	186	dsl	2160	MC U914C	2400	20
	325	dsl	2160	G-D 2100	2400	25
Manning, R L	33	d-e	1850	Emsco C1	1500	20/5"
Norton Drlg	9	d-e	1350	G-D 110E	1500	20
Parker Drlg	171	dsl	1650	OIME 1500P	1650	20
Viersen & Cochran Drlg	11	dsl	2600	Nat 110	2400	20
UINTAH						
All Western Drlg	2	gas	800	MC U15	700	10
	3	dsl	1050	MC U15	840	10
Anderson-Myers Drlg	14	dsl	1800	S/B N75A	1800	14
Apollo Drlg (CO)	2	dsl	1700	Nat 80B	1800	16
Apollo Drlg (CO)	4	dsl	2000	Nat 80B	1800	16
Bawden Drlg Ltd	21E	d-e	2000	Emsco C1		20
Brinkerhoff-Signal	79	dsl	550	Nat 370	800	8.5
	85	dsl	550	Nat 370	800	9
	86	dsl	1000	Nat 80B	1500	16
Loffland Bros	236	dsl	1260	MC U15	1000	10
Manning, R L	23	dsl	800	S/B N45	740	7.5
Nicor Drlg	43	d-e	1500	G-D 500E	850	11
	46	d-e	2000	Emsco C1E	1500	21
Olsen Drlg	2	dsl	1250	Scat 750	824	10
	5	dsl	6015	Crdw L350	500	7.5
Veco Drlg	9	dsl	1200	Idco 725	750	11
Viersen & Cochran Drlg	13	dsl	2000	Nat 80B	1600	17
UTAH						
Dixilyn-Field Drlg	33	d-e	1860	Oilwell 940E	2000	20
Loffland Bros	221	dsl	2880	MC U1220AE	3200	25
WAYNE						
Rio Grande Drlg	27	dsl	750	S/B N75	1030	14.5

VIRGINIA

UNDESIGNATED						
Ray Resources	7	dsl	450	Crdw KB500	700	8
WISE						
Ray Resources	4	dsl	450	Idco BIR5525	600	6
	9	dsl	450	Idco H35	600	6.5

WASHINGTON

BENTON						
Brinkerhoff-Signal	70	dsl	550	Crdw KW250	450	6.5
GRAYSHARBOUR						
Bawden Drlg Ltd	14E	scr	1300	Nat 1320UE	2000	22
LEWIS						
Taylor Drlg	4	dsl	1000	Nat 50	750	9

WEST VIRGINIA

UNDESIGNATED						
Ray Resources	3	dsl	450	Idco BIR5525	600	6
	8	dsl	450	S/B N55	600	10
Union Drlg	9	dsl	1200	Cbot Exp III	425	9
BOONE						
Hurt & Assoc, Clint	5	dsl	350	Wils Super 38	350	5
Smith Drlg	8	dsl	300	Lee	360	4.5
CALHOUN						
Hurt & Assoc, Clint	7	dsl	350	Kremco K800	500	7.5
FAYETTE						
Smith Drlg	6	dsl	1025	S/B N45M	650	10
	10	dsl	300	Chal M320	425	5
HARRISON						
Union Drlg	5	dsl	1200	Crdw 350	385	6
JACKSON						
Hurt & Assoc, Clint	2	dsl	350	Wils Super 38	350	5
	4	dsl	350	Wils Super 38	350	5
	6	dsl	350	Wils Mogul 42	500	7
Smith Petr, Carl E	4	dsl	350	Emsco GB250T	500	10
	5	dsl	238	Wich	320	4.2
KANAWHA						
FWA Drlg	13	dsl	275	Wils Giant	300	4.5
	22	dsl	275	Wils Super 38	300	4.5
LOGAN						
FWA Drlg	15	dsl	275	Wils Super 38	300	4.5
MASON						
Union Drlg	11	dsl	1200	S-H 5000	350	5
RITCHIE						
Hurt & Assoc, Clint	1	dsl	350	Wils Mogul 42	500	7.5
ROANE						
FWA Drlg	23	dsl	275	Wils Super 38	300	6
Hurt & Assoc, Clint	8	dsl	350	Kremco K800	500	7.5
TYLER						
Ray Resources	14	dsl		Nat T20	600	6.5
UPSHUR						
Union Drlg	1	dsl	1200	Crdw KM250	425	6
	2	dsl	1200	Idco BIR5525	425	6
	6	dsl	1200	S/B DH4210	425	8
	15	dsl	1200	Idco BIR5525	425	6
WIRT						
Hurt & Assoc, Clint	3	dsl	350	Wils Super 38	350	5
Smith Petr, Carl E	6	dsl	320	Idco BIR5525	475	8.5

WYOMING

UNDESIGNATED						
Pruet-Ram-Co	4	dsl	2000	Emsco D3	2000	18
Westburne Drlg	66	dsl	3000	G-D 1100E	3000	20
	72	dsl	620	Nat T32	310	7.5
ALBANY						
Simmons Drlg	38			Troy 600	600	9.5
BIG HORN						
Anderson-Myers Drlg	10	dsl	670	Nat T32	800	8.5
Barnhart Drlg	2	dsl	600	Nat T20	350	5
	3	dsl	600	Idco H35	350	6
Simmons Drlg	36	dsl	350	Hycalog HH800P	350	6.8
CAMPBELL						
Apollo Drlg (CO)	1	dsl	1100	Nat 55	1200	12
	3	dsl	1200	Nat 55	1200	12
	6	dsl	1200	Oilwell 76	1000	12
	8	dsl	1200	Oilwell 76	1200	12
	23	dsl	750	Nat 50A	770	95
Brinkerhoff-Signal	12	dsl	1000	Nat 55	1000	12
	20	dsl	500	Nat 50A	500	10
	76	dsl	800	G-D M500	800	10
Burris Drlg	116	dsl	1200	Sup 700	650	10
	117	dsl	800	MAC 400	500	10.5
Cyclone Drlg	2	dsl	800	Beth M58	800	12
	4	dsl	800	MC U15	800	9
	5	dsl	800	Beth M58	800	12
	8	dsl	800	Nat 50A	860	10

WYOMING (Cont'd)

CAMPBELL (Cont'd)						
Enopco	3	dsl	2000	Nat 80B	1800	17.5
Exeter Drlg Northern	3	dsl	550	Nat 50A	750	9.5
	7	dsl	700	S/B N75	1000	12.5
	8	dsl	500	S/B N7	750	9.5
	9	dsl	750	S/B N75	1100	12.5
	10	dsl	500	S/B N55	750	10.5
	20	dsl	500	Emsco GC500	750	11
	30	dsl	750	Emsco D2	1100	12.5
	36	dsl	450	Beth M58	750	11
	37	dsl	500	G-D 700	1100	12.5
	38	dsl	500	MC U15	750	9.5
Gallagher Drlg	6	dsl	520	Crdw O	970	12
Grace Bomac Drlg	43	dsl	1000	G-D 700M	1000	12.5
	53	dsl	1500	Nat 80B	1500	18
Harpel Drlg	4	dsl	1200	S/B N46	800	12
Nicor Drlg	57	dsl	1080	Nat T45	550	10.6
	59	dsl	1400	Nat 55M	700	14.5
	62	dsl	1000	Nat 610	750	12.5
Shelby Drlg	51-E	d-e	1000	Idco 725ESCR	75	110
Tower Drlg	5	dsl	600	G-D 500M	800	11.5
True Drlg	17	dsl	1350	Nat 50A	1000	12
CARBON						
Anderson-Myers Drlg	18	dsl	800	Nat T45	800	10
Atco Drlg	54	d-e	1800	Nat 610UE	1800	12
Exeter Drlg Northern	28	dsl	1200	G-D 800	1275	15
	41	dsl	1000	G-D 700	1100	12.5
Harpel Drlg	6	dsl	1300	Emsco D2	1300	14
Manning, R L	22	dsl	1180	Emsco A550	1180	11
CONGRESS						
Westburne Drlg	6J	dsl	750	Nat 50A	850	9.5
CONVERSE						
Anderson-Myers Drlg	5	dsl	1000	Emsco GB500	820	10
Apollo Drlg (CO)	24	d-e	2000	Emsco D3	2400	18
Apollo Drlg Inc (TX)	2	dsl	1500	Nat 80B	1800	18
Brinkerhoff-Signal	5	dsl	1500	Nat 80	1500	15
Burris Drlg	106	dsl	1200	G-D 500	650	11
	108	dsl	1200	G-D 500	650	11
Cyclone Drlg	3	dsl	1250	MC U30	1250	15
Exeter Drlg Northern	17	dsl	500	Nat 50A	750	9.5
	18	dsl	500	Nat 50A	750	9.5
	21	dsl	550	MC U15	720	9.5
Grace Bomac Drlg	45	dsl	1500	G-D 800M	1500	16
	91	dsl	1500	Nat 80B	1500	16
Loffland Bros	234	dsl	1400	MC U40	1600	13
Manning, R L	6	dsl	1290	Emsco GB800	1290	14
Westburne Drlg	65	dsl	870	Nat T45	400	9
CROOK						
Brinkerhoff-Signal	2	dsl	875	MC U36A	800	9
Burris Drlg	119	dsl	450	MAC 400	500	10.5
Cyclone Drlg	1	dsl	800	MC U15	800	9
Exeter Drlg Northern	34	dsl	500	MC U15	750	9.5
	35	dsl	500	MC U15	750	9.5
	39	dsl	500	MC U15	750	9.5
FREMONT						
Anderson-Myers Drlg	15	dsl	1800	S/B N75A	1370	14
Atco Drlg	2	dsl	2000	Nat 80B	1800	18
	12	dsl	1800	Nat 80B	1800	18
Challenger Drlg	25	dsl	300	Nat T20	600	5
Dixilyn-Field Drlg	34	d-e	3720	Nat 1320UE	2000	25
Elenburg Expl Forwest	12	d-e	2600	Idco E2100	1800	22
Grace Bomac Drlg	24	dsl	2250	Nat 110M	2250	20
Helmerich & Payne	81	d-e	2200	Nat 110UE	1500	20
Loffland Bros	223	dsl	1260	MC U15	1000	10
Manning, R L	25	dsl	1000	S/B N75	1300	11.5
Nicor Drlg	70	d-e	2700	G-D 1500E	2000	25
Quarles Drlg	24	dsl	2700	G-D 1500E	2000	30
	25	d-e	4000	Emsco C3	3000	30
Trigg Drlg	6	d-e	2400	MC U914E	2400	25
Westburne Drlg	69	dsl	1400	Nat 1320M	1800	20
HOT SPRINGS						
Manning, R L	17	g-b	770	Emsco GC500	910	11
	28	g-b	800	Emsco GB360	506	7.5
JOHNSON						
Brinkerhoff-Signal	14	dsl	1000	Nat 55	1000	12.5
	92	dsl	1500	G-D 700M	800	12.5
Burris Drlg	101	dsl	1500	G-D 1100M	1500	20
	112	dsl	1500	G-D 1100	1500	20
Grace Bomac Drlg	59	dsl	1500	Nat 80B	1500	16
Loffland Bros	163	dsl	1260	Nat 80B	1500	16
Manning, R L	34	d-e	1600	Emsco D3	1000	18
Nicor Drlg	61	dsl	1550	Nat 610	750	12

WYOMING (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½" - in. Pipe, 1000 ft.
LINCOLN						
Apollo Drlg (CO)	16	dsl	1300	Nat 80B	1200	14
Alco Drlg	9	d-e	2500	Nat 11OUE	2500	20
Brinkerhoff-Signal	7	dsl	1500	Nat 80B	1500	15
	72	dsl	2000	Nat 1320UE	2000	25
Burris Drlg	111	dsl	1500	G-D 1100	1500	20
Exeter Drlg Northern	24	dsl	1000	G-D 800	1100	15
Loffland Bros	89	d-e	2100	MC U1220EB	2400	25
	97	d-e	3300	MC U1220EB	3300	30
	19	d-e	4000	Emsco CE3000 Type II	3300	35
	184	dsl	2160	MC U712A	2400	15
Manning, R L	30	d-e	1600	Emsco D3	1000	18
Norton Drlg	10	dsl	750	G-D 700	1070	15
True Drlg	14	dsl	1200	Nat 50A	1200	12
	24	dsl	1400	MC U914C	2400	22
NATRONA						
Atco Drlg	8	dsl	1230	Emsco A550	1230	12
	20	dsl	800	Emsco GB500	800	10
	56	d-e	1800	Nat 80UE	1800	16
Burris Drlg	114	dsl	1500	G-D 1100	1500	20
Challenger Drlg	27	dsl	300	Nat T 12	500	4.5
Dixilyn-Field Drlg	31	d-e	5580	Nat 1320UE	2000	25
	32	dsl	2300	Nat 130	2331	25
Elenburg Expl	2	dsl	320	W-N CC2000	230	2.5
Manning, R L	12	dsl	700	Oiwl 66	550	11
Parker Drlg	118	dsl	1650	Nat 100M	1650	20
	183	dsl	3200	OIME 3000E	3000	35
Rio Grande Drlg	26	dsl	750	S/B N75	1030	14.5
Sabre Drlg	2	dsl	671	Wils Mogul 42	671	5
Shelby Drlg	11	dsl		Idco 35ESCR		10
Simmons Drlg	48	dsl	350	Hycalog HH6000	350	6.8
NIOBRARA						
Harpel Drlg	5	dsl	1000	S/B N42	65	9
PARK						
Barnhart Drlg	1	dsl	700	Idco H525	575	8.5
Manning, R L	8	dsl	850	Emsco GA500	850	9
	15	dsl	700	Nat 5E	700	11
	16	g-b	640	Nat T32	458	6.5
	26	g-b	1155	Emsco GB600	1365	14
Penrod Drlg	115	dsl	1600	Nat 1625ME	3000	30
PARK (Cont'd)						
Wyoming Well Serv	21	dsl	500	Idco H35	318	5
	24	dsl	300	Crdw 200A	318	4.5
	30	dsl	300	Crdw 200A	318	4.5
PLATTE						
True Drlg	19	dsl	1000	Nat 50A	1000	12
ROUTT						
Anderson-Myers Drlg	1	dsl	680	Nat T32	450	7
SHERIDAN						
True Drlg	15	g-lp	1300	Nat 50A	1000	11.5
SUBLETTE						
Dixilyn-Field Drlg	36	dsl	2000	Nat 110UEV	2000	18
	38	d-e	3720	Nat 110UE	2000	18
	41	d-e	3720	Nat 1320UE	2000	25
Manning, R L	29	dsl	800	Emsco GB500	934	9
Montgomery Drlg	5	d-e	2700	Nat 1320UE	3645	25
Norton Drlg	6	dsl	750	Wils 75	900	13
Parker Drlg	124	dsl	1650	Oiwl 2000E	1650	25
	183	dsl	1650	OIME 1500P	1650	20
Rio Grande Drlg	3	dsl	1300	Nat 1320M	2300	25
	6	d-e	1350	G-D 1500E	1195	25
	10	d-e	1300	Nat 1320UE	1195	25
Simmons Drlg	35			Idco 525	600	9
True Drlg	9	dsl	1200	MC U40	1200	15
	18	g-lp	1300	Nat 50A	1000	11
	25	dsl	2100	MC U914C	2100	22
Viersen & Cochran Drlg	9	dsl	2600	Nat 110	2400	20
SWEETWATER						
Brinkerhoff-Signal	57	dsl	1560	Nat N80B	1560	18
	69	dsl	1000	Nat 110	1500	18
Dixilyn-Field Drlg	40	d-e	1860	Nat 80UE	1000	15
Exeter Drlg Northern	11	dsl	700	G-D 700	1000	12.5
Grace Bomac Drlg	44	dsl	1500	G-D 800	1500	16
Loffland Bros	40	dsl	1680	S/B N95	2000	18
Manning, R L	24	dsl	860	S/B N75	980	11
Parker Drlg	163	dsl	1650	OIME SL1500	1650	20
SWEETWATER (Cont'd)						
Penrod Drlg	23	dsl	2600	Nat	1950	25
Rio Grande Drlg	26	dsl	1000	S/B N95	2300	18
Shelby Drlg	12	d-e	1600	G-D 1100ESCR	2000	20
TETON						
Exeter Drlg Northern	31	dsl	1000	G-D 800	1850	15
	43	dsl	2250	Emsco C Type III	2250	20
Loffland Bros	30	d-e	2160	MC 914EC	2200	20
UINTA						
Anderson-Myers Drlg	12	dsl	1500	OIME 1500	1500	17
Brinkerhoff-Signal	6	dsl	1500	G-D 1100	1500	18
	40	dsl	2400	Nat 130UE	3000	25
	73	dsl	1500	Nat 80B	1500	15
	88	dsl	4000	Nat 110UE	2000	20
Exeter Drlg Northern	29	dsl	1200	G D 800	1125	15
Forwest	1	d-e	2800	Idco E2100	1800	22
Grace Bomac Drlg	29	dsl	2250	Nat 110M	2250	20
Loffland Bros	108	dsl	2160	S/B N12A	2400	25
	214	dsl	1860	MC U40	1600	13
Lord Drlg	1	dsl	2200	Oiwl M880	1650	18
	2	dsl	2200	Oiwl M860	1650	18
Manning, R L	21	dsl	1095	Nat 80B	1365	15
	31	d-e	1350	Emsco D2	700	11
	32	d-e	1600	Emsco D3	1000	18
	35	d-e	2400	Emsco C1	1500	20/5"
Noble Drlg	N-116	e-e	3000	Nat 110UE	3000	20
	132	d-e	3300	Nat 1320UE	3300	25
Parker Drlg	169	dsl	1650	OIME SL1000P	1650	20
	173	dsl	1650	OIME 1500P	1650	20
Rio Grande Drlg	5	dsl	1300	Nat 110	2400	20
Viersen & Cochran Drlg	8	dsl	2000	Nat 80B	1500	16
	14	dsl	2600	Emsco 800A	1500	17.5
WASHAKIE						
Anderson-Myers Drlg	2	dsl	1200	Nat 55	1200	12
	9	dsl	1200	Nat 55	1200	12
Burris Drlg	105	dsl	1200	Unit 36A	650	12
Exeter Drlg Northern	19	dsl	700	G-D 800	1100	14
Manning, R L	9	dsl	650	Emsco GA500	650	8.5
WESTON						
Harpel Drlg	3	dsl	1200	Idco H725	800	11

International Contract Rotary Land Drilling Rigs

AFRICA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½" - in. Pipe, 1000 ft.
ALGERIA						
Saipem	5894	d-e	3200	Nat 110UE	1600	17
	5895	d-e	3200	Nat 110UE	1600	17
CHAD						
Parker Drlg	194-HH/41	dsl	2000	OIME TBA2000	2000	20
EGYPT						
Challenger Ltd	18	dsl	900	Cbot 100	1000	12
Egyptian Drlg	1					
	2					
	4			Nat 110		
	7					
Forex Neptune and/or Affil	7	dsl	3200	Nat 110	1600	19
Geoprosco Intl	41	dsl	2200	Idco H900	1100	10
Saipem	5883	d-e	3200	Nat 110UE	1500	17
Santa Fe Drlg	64	dsl	1800	Nat 110	1800	16
	69	d-e	2000	Nat 1320DE	3400	20
	73	dsl	2000	Nat 110	1800	16
	75	dsl	2000	Nat 1320M	1600	20
EGYPT (Cont'd)						
Santa Fe Drlg	92	d-e	2800	Nat 1320UE	1400	20
	94	d-e	2250	Nat 110UE	2000	16
	97	d-e	2800	Oiwl E2000	2000	20
	102	d-e	2400	Nat 110UE	1500	16
	143					
GABON						
Deutsche Tiefbohr	T-9					
Forasol	110/5	d-e	2600	Nat 110	2000	16
	110/11	d-e	2600	Nat 110	1500	16
Forex Neptune and/or Affil	4	dsl	1300	Idco H525	500	9
	27	dsl	2600	Idco Super 711	1200	16
LIBYA						
Arab Drlg & Workover	ADWOC 1	d-e	1300	Emsco C1II	975	20
	ADWOC 2	d-e	2600	Emsco C111	1500	20
	ADWOC 3	d-e	2600	Emsco C111	1500	20
	ADWOC 4	dsl	425	Wils 42BLC Trailerized	325	6
	ADWOC 5	dsl	425	Wils 42BLC Trailerized	325	6
	37	dsl	1550	Nat 80B	1600	12
LIBYA (Cont'd)						
Arab Drlg & Workover	53	dsl	1250	Idco H525	700	9
	118	dsl	1250	Idco H525	700	9
Challenger Ltd	19	dsl	1300	Nat 80B	1950	15
Deutsche Tiefbohr	T-16	dsl	2000	Emsco A800	1000	12
	T-26	dsl	2100	Idco Super 711	1500	16
	T-90	dsl		H-L 6206	400	
	T-91	dsl		H-L 6205	130	
Forex Neptune and/or Affil	13	dsl	2600	Idco Super 711	1200	18
	35	d-e	3200	G-D 1110E	1600	18
	42	dsl	2000	Nat 80UE	1000	15.7
	43	d-e	2000	Nat 80UE	1000	15.7
	44	dsl	3200	Idco Super 711	1600	18
KCA Drlg	83	dsl	2000	MC U36EA	1000	10
	100	dsl	750	Crdw KM250	375	6
	101	dsl	375	Cbot 1058	375	12
	102	dsl	375	Cbot 1058	375	12
	103	dsl	375	Cbot 1058	375	12
Oil Drlg & Expl	7	dsl	2000	Idco Super 711	2000	17
	9	dsl	2000	Idco Super 711	2000	17

Contractor	Type Power, Rig No.	Total HP Mud Pumps	All Main Drawworks And Model	Drawworks Make	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
AFRICA (Cont'd)						
LIBYA (Cont'd)						
Pool-Intairdril	2 dsl	318	Cbot 1287/120		476	5
	3 dsl	318	Cbot 1287/120		476	5
	5 dsl	318	Cbot 1058/120		318	5
	10 dsl	318	Cbot 1058/120		318	5
	22 dsl	400	Idco DIR550		400	6.5
	32 dsl	600	Cbot 750		600	6.5
	33 dsl	600	Cbot 750		600	6.5
	34 dsl	600	Cbot 750		600	7.5
	204 e-e	2000	Idco ED1200		1000	12
	205 el	2000	Idco ED1200		1000	12
	206 e-e	2000	Idco ED1200		1000	12
MADAGASCAR						
Bawden Int'l Ltd	2					
MALI						
Forex Neptune and/or Affil	49 d-e	3200	G-D 1100E		1500	18
NIGERIA						
Forex Neptune and/or Affil	1 dsl	2600	Idco Super 711		1200	18
	9 dsl	2850	Nat 110		1600	19
	10 dsl	2600	Nat 110		1600	19
	24 d-e	3200	G-D 2100RE		3000	25.4
	26 dsl	2600	Idco Super 711		1200	18
	54 d-e	3200	G-D 1500E		2000	21.7
Saipem	5836 dsl	2500	Idco H1700		2000	16.5
	5847 dsl	2130	Idco H1700		1700	16.5
	5850 dsl	1135	Idco H40		432	6
	5880 dsl	2500	Idco H1700		2000	16.5
SOMALIA						
Parker Drlg	143 dsl	2000	Nat 110		2250	18
SUDAN						
Forasol	Heli Rig 1 d-e	1800	Idco ESH1200		2000	10
Parker Drlg	220 dsl	1600	OIME SL1000		1000	15
	105-HH/2 dsl	1200	OIME HH1250		1275	14
	119-HH/10 dsl	1950	OIME HH1500		1700	18
	195-HH/42 dsl	2000	OIME TBA2000		2000	20
TANZANIA						
Blocker Drlg	46					
Deutsche Tiefbohr	T-11					
TUNISIA						
Blocker Drlg	10 dsl	825	Idco Hydrair H37ESC		434	7.5
	16					
	18 dsl	1475	Cbot 2346		950	10
	45					
	47					20
Forasol	110/2 d-e	2600	Nat 110		1500	18
Forex Neptune and/or Affil	11 d-e	3200	Nat 110UE		1500	19
Saipem	5842 dsl	2250	Idco H1700		1700	16.5
	5846 dsl	2250	Idco H1700		1700	16.5
	5893 d-e	3200	Nat 110UE		1600	17
ZAIRE						
Von Rautenkranz Hermann	ITAG-102 dsl	1000	Wils Mogul 42			10
	ITAG-103					
	ITAG-104 dsl	1000	Wils Mogul			8
ASIA PACIFIC						
AUSTRALIA						
Oil Drlg & Expl	5 dsl	1100	Idco Super 711		1100	13
	6 dsl	1200	Nat 55		850	10
	8 dsl	350	Idco H35		500	4.5
	12 dsl	1500	Idco H725		750	10
	15 dsl	2000	Idco H1700		2000	17
	18 dsl	500	Idco H725		725	10
Pool-Intairdril	9 dsl	420	Cbot 1058/160		420	5
	216 dsl		Wils Super 36		350	3.4
Richter Drlg Pty	2 dsl	1600	Nat 55		900	10
	4 dsl	600	Nat T32		300	6
	5 dsl		Coop 750			10
	8 dsl	1400	Nat 110M		1100	15

Contractor	Type Power, Rig No.	Total HP Mud Pumps	All Main Drawworks And Model	Drawworks Make	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ASIA PACIFIC (Cont'd)						
AUSTRALIA (Cont'd)						
Richter Drlg Pty	9 dsl	2000	Nat 80B		1000	12
	11 dsl		Coop 750		375	10
	14 d-e	2000	Nat 80UE		1000	12
	16 dsl	275	S/B RR550		450	6.5
	97 dsl		Troy 600		455	2.5
Westbridge Drlg (Pty)	219 dsl	1100	Nat 370		700	7
	220 dsl	1820	Nat 80E		1820	14.5
BRUNEI						
Deutsche Tiefbohr	T-41 dsl	1800	Wils 780		780	8
INDIA						
Saipem	5827 d-e	3200	Idco E2100		2000	20
INDONESIA						
Bawden Drlg Intl	6 dsl	1000	Nat T45		550	7.5
	9 d-e	3200	Nat 132UUE		2000	22
	28 dsl	925	Emsco GB350		350	7.2
	29 d-e	1400	Nat 80E		1000	12
	51 dsl	1200	Sup 700		700	10
Deutsche Tiefbohr	T-31 dsl	1000	Wils 780		910	8
Forex Neptune and/or Affil	45 d-e	1960	Wils EH120		1100	16.9
Houlder Marine Drlg	1 d-e	1600	Nat 80UE		1000	12
Loffland Bros	56 dsl	900	MC U36A		900	10
	139 dsl	1400	MC U36		900	10
	300 dsl	800	MC U34		500	4
Parker Drlg	106-HH/3 dsl	1600	OIME HH1250B		1275	14
	125-HH/13 dsl	1200	OIME HH1500		1700	18
	148-HH/32 dsl	2000	OIME TBA2000		1700	20
	156-HH/35 dsl	2000	OIME TBA2000		2000	20
	188-HH/38 dsl	2400	OIME TBA2400		2400	24
	190-HH/39 dsl	2000	OIME TBA2000		2000	20
PT Mafhabor Indonesia	MBI 1 dsl	600	Nat 610		750	12
PT Meta Epsi Drlg	1 dsl	1600	Nat 610		850	12
	2 d-e	1050	HS1500E		1500	15
	3 d-e	1050	HS1500E		1500	15
	4 d-e	2600	S/B NE95A		1800	20
	5					
	6					
Richter Drlg Pty	7 dsl	1600	Nat 610		750	10
Westburne WW Drlg	203 dsl	1120	Nat T45		1100	10
	202H dsl	1120	Nat 4-10		1000	12
	205H dsl	600	Nat T12		200	5
MALAYSIA						
Deutsche Tiefbohr	T-10 dsl	2700	Nat 110H		1500	16
NEW GUINEA						
Parker Drlg	115-HH/8 dsl	1200	OIME HH1500		1700	18
	140-HH/28 dsl	1500	OIME TBA2000		1700	20
NEW ZEALAND						
Oil Drlg & Expl	16 dsl	1600	Idco 1200		1600	14
	17 d-e	2800	Idco E2100		2800	21
Parker Drlg	160-HH/37 dsl	2000	OIME TBA2000		2000	20
PAKISTAN						
Challenger Ltd	61E dsl	2800	G-D 1100E		1500	20
	62E dsl	2800	G-D 1100E		150	20
Deutsche Tiefbohr	T-35 dsl	1600	Coop LTO750		750	10
	T-37					
Forasol	110/9 d-e	2600	Nat 110		1500	18
	1320/2 d-e	3200	Nat 1320		2000	20
Parker Drlg	126-HH/14 dsl	1500	OIME TBA2000		1700	20
Pool-Intairdril	218 dsl		Idco H44		750	8.5
PHILIPPINES						
PNOC Energy Drlg	1 dsl	1850			1650	12.5
	3 dsl	1100	Idco H725		1100	8.5
	4 dsl	1350	Nat 610		1100	10
	5 dsl	1350	Nat 610		1100	10
	6 dsl	1350	Nat 610		1100	10
	7 dsl	660	Idco H525		684	8
	8 d-e	2000	Emsco D3		2000	12.5
	9 dsl	1100	Nat 370		730	7
	10 d-e	4000	Idco E2100		2000	21

Contractor	Type Power, Rig No.	Total HP Mud Pumps	All Main Drawworks And Model	Drawworks Make	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ASIA PACIFIC (Cont'd)						
PHILIPPINES (Cont'd)						
Richter Drlg Pty	6 dsl	1350	Nat 100		1000	14
SINGAPORE						
Westburne WW Drlg	216H dsl	800	W-M T38		400	4.5
	217H dsl	1200	W-M T38		400	4.5
THAILAND						
Deutsche Tiefbohr	T-46 d-e	2600	Emsco C2		2000	20
	T-48 d-e	2600	Emsco A800		1000	15
Forasol	110/7 d-e	2600	Nat 110		1500	18
	110/10 d-e	2600	Nat 110		1500	18
Parker Drlg	200-HH/44 dsl	2000	OIME TBA2000		2000	20
CANADA						
ALBERTA						
Adaco Drlg & Engrg	1 dsl	312	Nat T20M		370	5.9
	2 dsl	380	OIME SD3		385	8.5
	3 dsl	308	Nat T32		320	7
	8 dsl	1500	Nat 100M		2340	18
	12 dsl	312	Nat T32		380	8.2
	14 dsl	312	Nat T32		320	7
	15 dsl	385	Nat T45		575	10.5
	16 dsl	308	Nat T32		312	7
	18 dsl	700	OIME Heliborne 500C		1370	7.5
	19 dsl	308	Nat T32M		320	8.2
	20 dsl	610	Nat 370		475	8.2
Argus Drlg Div Taro Inds	1 dsl	320	Nat T32		327	7.2
	2 dsl	320	Emsco 250T		327	6.5
	4 dsl	320	MC U34		319	6
	5 dsl	1100	Oilwell 76		1326	10
	7 dsl	320	Nat T32		327	8.2
Arrowhead Drlg	C-1 dsl	1040	Nat 610		1040	12
	C-10 dsl	1560	Nat 80B		1560	15
	C-11 dsl	1560	Nat 80B		1560	15
	C-2 dsl	770	Nat 370		770	9
	C-4 dsl	1040	Nat 610		1040	12
	C-5 dsl	1560	Nat 80B		1560	15
	C-6 dsl	770	Nat 370		770	9
	C-7 dsl	1040	Nat 610		1040	12
	C-8 dsl	1040	Nat 610		1040	12
	C-9 dsl	1040	Nat 610		1040	12
Atco Drlg	27 dsl	730	Beth C50		730	9
Atco Drlg Bow Island Div	2 dsl	275	W-N 2000		275	2.9
	3 dsl	275	W-N 2000		275	2.9
	6 dsl	275	W-N 2000		275	2.9
	7 dsl	275	W-N 2000		275	2.9
	8 dsl	275	W-N 2000		275	2.9
	11 d-e	275	Cbot 1287		500	5
	17 dsl	275	Unit U34		300	5.5
Atco Drlg Mustang Div	31 dsl	815	S/B N45		720	8.5
	34 dsl	300	Nat T20		350	5.5
	35 dsl	820	Nat T45		820	9
	36 dsl	300	Idco H30AD		300	5.5
	38 dsl		Nat T32			
	39 dsl	300	Nat T20		300	6
	40 dsl	700	S/B M45		650	8.5
	41 dsl	300	Idco H30F		350	6
	42 dsl	650	Idco H35		700	7.5
	45 d-e	1500	Nat 610E		750	12
	50 dsl	300	Idco H30F		350	6
	53 dsl	735	Nat T45		650	9
	54 dsl	715	Idco H35D		650	7.5
	55 dsl	500	Idco H35		385	6.5
Badger Drlg	2 dsl	400	Nat 370		600	7.8
	4 dsl	400	Sup 400		500	7
	5					8.2
	6 dsl	400	Nat 370		600	7.8
	99 dsl	500	Sup 300		450	8.2
Bawden Drlg	12 mch	1700	Emsco D3		1000	16
	16 mch	1800	Emsco D3		1000	12
	17 mch	1100	G-D 500		500	9
	20 mch	1000	G-D 500		500	9
	33 mch	1850	Oilwell 850		1400	16
Beaver Drlg	1 dsl	350	Nat T32		300	7
	2 dsl	300	Nat T20		300	6
	3 dsl	300	Nat T20		300	6
	4 dsl	300	Nat T32		300	7
	5 dsl	300	Nat T32		300	7.5
	6 dsl	300	Nat 370		550	8.5
	7 dsl	550	Nat 370		550	9.5
	8 dsl	300	Nat T32		300	7
	9 dsl	550	Nat 370		550	9.5
Blocker Drlg	5 dsl					13
	6 dsl	1000	OIME 1000SL		1500	18
	7 dsl	770	OIME 750SL		1155	14
	9		OIME 750SL			14

CANADA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - In. Pipe, 1000 Ft.
ALBERTA (Cont'd)						
Blocker Drlg	10		OIME 303			10
Breco Drlg	1	dsl	800	Otwl 700	900	12
	2	dsl	800	Otwl 700	900	12
	3	dsl	600	Otwl 500	750	9
	4	dsl	600	Otwl 500	750	9
	5	dsl	600	Otwl 500	750	9
	6	dsl	600	Otwl 500	750	9
	7	dsl	800	Otwl 700	900	12
Cactus Drlg	1	dsl	750	S/B N55	750	8.5
	2	dsl	940	Nat 55	940	11.5
	3	dsl	350	MC U34	350	6.5
	4	dsl	350	MC U34	350	6.5
	5	dsl	1554	Idco Super 711	1554	15
	6	dsl	900	Crdw AO	900	9.5
	7	dsl	700	Emsco GB350	700	8.5
	8	dsl	350	MC U34	350	6.5
	9	dsl	350	MC U34	350	6.5
	10	dsl		Nat T32	700	7.8
	14	dsl	750	Emsco GB500	750	8
	15	dsl	750	Emsco GC350	750	8.5
	16	dsl	500	MAC 300	500	6.5
	17	dsl	500	MAC 300	500	6.5
	18	dsl	500	MAC 300	500	6.5
	19	dsl	500	MAC 300	500	6.5
	22					
	23					
	24	dsl	300	Beth S55	300	6
	28	dsl	1200	S/B N75	1200	12.5
	20E	dsl	1200	Emsco D2	1200	14
	25E	d-e	3400	Emsco C2	2000	20
	26E	d-e	2700	Emsco D3	500	18
Can-Tex Drlg & Expl	5	dsl	1200	Emsco GB800	1200	12
	6	dsl	1400	Emsco GB800B3	1275	14
	7	dsl	1000	Emsco D2	900	12
	8	dsl	820	Otwl 66	820	9
	10	dsl	800	Nat 370	450	8
Centennial Drlg	1	dsl	360	MC 6000S	350	5.5/ 3.5"
	3	dsl	480	Nat T32	750	8.5
Challenger Drlg-Calgary	JBE	d-s	2400	Nat 80UE	2800	15
	2	dsl	650	Nat T45	608	9
	11	dsl	350	Nat T20	456	5.7
	39	dsl	350	Nat T20	456	5.7
	44	dsl	1300	Nat 80B	1950	15
	50	dsl	2000	Nat 110	2385	19
	51	dsl	1630	Nat 110	1980	19
	55	dsl	1180	Nat 100HD	1470	16.5
	4-E	d-e	1170	Nat T45	1005	9
	5-E	d-e	1220	Nat 55	1830	12.5
	8-E	d-e	1500	Nat 80E	2250	14.5
	10-E	d-e	2800	MC U1220ES	2800	22/ 5"
Ensign Drlg	1	dsl	440	Cbot 44	290	6.6
	2	dsl	440	Emsco	440	1.9
Guthrie McLaren Drlg	1	dsl	300	Otwl 52T	400	7
	2	dsl	300	S/B N4	300	6.5/ 3.5"
	3	dsl	680	Nat 50CA	800	10
	4	dsl	375	Sup D500	450	7
	5	dsl	750	Nat 50CA	400	8.5
	6	dsl	300	Fail 2500A	225	3
	8	dsl	300	Fail 2500A	225	3
	9	dsl	1940	OIME 1500	1940	18
	10	dsl	300	Sup D500	450	7
	11	dsl	450	Sup 500	450	7
	12	dsl	325	Sup S400	300	6.2
Hi Tower Drlg	1	d-e	3600	Nat 1320UL	2000	20
	2	dsl	780	Otwl 66	800	9.5
	3	dsl	900	Otwl 66	1020	10
	5	d-e	1000	Idco E725	1000	9.5
	6	d-e	1000	Idco E725	1000	9.5
	7	dsl	1200	Otwl 66	1000	10
	10	dsl	1150	Otwl 76	1220	10
	11	dsl	350	Sup 400	540	6.5
	18	d-e	1800	Otwl 780	1000	15
	19	dsl	670	Otwl 52T	545	7
	20	d-e	1800	Otwl 780	1000	15
Jade Drlg	1	dsl	450	Wils Super 3B	300	3.5
	2	dsl	400	Wils Super 3B	300	3.5
	3	dsl	550	Idco H25	380	7.5
	5	dsl	500	Idco H30	420	7.5
Jomax Drlg	1	dsl	800	Otwl 52T	455	2.6
	2	dsl	800	Otwl 52T	455	2.6
	3	dsl	800	Otwl 52T	455	2.6
	4	dsl	1200	Otwl 76A	1275	4.3
	5	dsl	875	Nat 50A	875	10.5
	6	d-e	2400	Otwl 780	1800	5
	7	d-e	2400	Otwl 780	1800	5
Kenting Drlg	4	dsl	720	610	720	11.5
	5	dsl	350	Sup 400	350	7.5
	9	dsl	720	Nat T32	720	7.5
	10	dsl	720	Otwl 66	720	10
	15	dsl	720	Nat 370	720	9
	18	dsl	800	Nat 50A	800	9.5/ 5"
	27	dsl	1040	Nat 610	1040	12
	28	dsl	700	Nat 370	700	9
	29	dsl	1040	Nat 610	1040	12

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - In. Pipe, 1000 Ft.
ALBERTA (Cont'd)						
Kenting Drlg	37	dsl	350	Sup 400	700	7.5
	38	dsl	800	Nat 370		9.5
	20-E	d-e	2400	Unit 914EC	2000	20
	22-E	d-e	2000	Nat 80UE	1000	13
	23-E	d-e	2000	Nat 610E	1000	11.5
	39-E	d-e	1100	Nat 370E	1100	10
KCA Drlg	C1	dsl	1200	Nat 55	612	10
Loffland Bros	9	d-e	2000	MC U914	1980	20
	36	dsl	2000	MC U914C	2880	20
	72	dsl	1700	MC U914	2880	20
	93	d-e	2100	MC U1220EB	2400	25
	198	dsl	1400	MC U914A	1599	18
Montgomery Drlg	42	d-e	2000	Nat 110UE	2000	20
	49	d-e	2000	Nat 110E	2000	20
Nabors Drlg	4	dsl	2000	Otwl 76	1740	14
	5	dsl	700	Otwl 76	1326	12
	15	dsl	1200	Emsco A550	884	11
	16	dsl	2000	Emsco A800	1740	15
	19-E	d-e	2000	Emsco CI	3000	20
	21-E	d-e	3200	Emsco IIC	3900	20
	24-E	d-e	2000	Emsco Electrohoist 2C	2925	18
Parker Drlg	98	dsl	1500	Nat 100	1000	17
Phelps Drlg Intl	1E	d-e	1200	MC U36EA	800	11
	18	dsl	500	TSM 6000	450	7
	19	dsl	500	TSM 6000	450	7
	20	dsl	500	TSM 8000	450	7
	23	dsl	1000	Nat 370	550	9.5
	24	dsl	1000	Nat 370	550	9.5
	4E	d-e	700	Sup 700E	700	9
	5E	d-e	700	Sup 700E	700	9
Precision Drlg	1	dsl	350	Idco H30FD Super	350	6.5
	2	dsl	350	Idco H20AD	350	4.5
	4	dsl	350	Idco H30D	350	7.2
	5	dsl	350	Idco H525D	350	7.5
	6	dsl	350	Idco H30	350	6.5
	7	dsl	350	Idco H30D	400	8
	8	dsl	350	Idco H30D	350	6.5
	9	dsl	350	Idco H30D	350	7.5
	10	dsl	350	Idco H35D	350	7.2
	11	dsl	350	Idco H40PD	350	7.2
	12	dsl	500	Idco H30D	350	7.5
	14	dsl	350	Idco H40	500	7.5
	15	dsl	350	Idco H30FD	350	7.5
	16	dsl	700	Emsco PD650	650	10
Red Arrow Drlg	1	dsl	2[illegible]	Nat T20	275	6
	3	dsl	.5	Nat T20	275	6
	4	dsl	225	RAD 200	275	6
	5	dsl	225	Nat T20	275	6
	6	dsl	225	RAD 200	275	6
	7	dsl	225	RAD 200	275	6
	8	dsl	225	RAD 200	275	6
	9	dsl	225	RAD 200	275	6
	10	dsl	225	RAD 200	275	1.8
Regent Drlg	1	dsl	675	Idco H40	330	7.5
	2	dsl	840	S/B N55	820	9.5
	3	dsl	840	S/B N4	900	9.5
	4	dsl	840	S/B N4	900	9.5
	5	dsl	840	S/B N4	820	9.5
	8	dsl	1800	G-D 1100	2100	15
	10	dsl	830	S/B N4	900	9.5
	11	dsl	2200	Otwl 840E	2592	20
	21	dsl	2200	Otwl M2000	2592	20
	22	dsl	830	MC U36A	500	8.5
	23	dsl	800	S/B N4	820	9.5
	24	dsl	800	S/B N4	900	9.5
	25	dsl	1400	S/B N45	1400	14
	26	dsl	840	Idco H40	330	7.5
	28	dsl	1400	S/B N45	1400	14
	29	dsl	350	S/B N4	365	6
	14-E	dsl	2800	Otwl 840E	1800	20
	15-E	dsl	2700	G-D 1500	2000	21
	17-E	dsl	2700	G-D	1000	14
Rocky Mountain Drlg	1	dsl	650	Nat 370	650	8.5
	2	dsl	1150	G-D 500	700	8.5
	3	dsl	1650	Nat 80	1650	15
	4	dsl	1050	Unit U36A	1050	10
S & T Drlg	1	dsl	1100	Nat 55	1100	11
	2	dsl	350	Nat T32	350	7
	3	dsl	1200	Nat 55	1200	11.5
	4	dsl	700	Nat 50CA	400	8
	5	dsl	1150	Nat T45	800	9.5
	6	dsl	1200	Nat 610	1200	11.5
	7	dsl	1200	Nat 610	800	10.5
	9	dsl	800	Nat 370	800	8.5
	10	dsl	350	MC U34	350	6.5
Sedco Drlg	71	dsl	350	Sup 400	400	6
	77	dsl	375	Sup 400	400	6
	79	dsl	318	G-D 3000	318	4/3.5
	81	dsl	375	Sup 400	318	6
	83	dsl	350	Crdw 150A	318	4.2
	86	dsl	175	Kremco K800	450	5
	88	dsl	350	Crdw S350	350	5.5/ 3.5
	89	dsl	350	Idco H30D	318	5/3.5
	90	dsl	350	MC U34D	456	5.5
	91	dsl	330	Emsco GB250	456	6.5
	92	dsl	350	Crdw 350	350	4.5
	93	d-e	500	Sup 400E	450	7
	95	dsl	300	Sup 400	456	6

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - In. Pipe, 1000 Ft.
ALBERTA (Cont'd)						
Sedco Drlg	96	dsl	300	Idco H25	318	4.5
	97	dsl	300	Nat T32	456	6.6
	99	dsl	500	Sup 700E	550	7
Shelby Drlg	1	dsl	319	Coop 300DD	318	5
	2	dsl	319	Coop 300DD	300	5
	3	dsl	319	Cbot 1287	475	6.5
	5	dsl	630	Coop 550		7.5
	8	dsl	1200	OIME 750SL	1200	14
	10	d-e	700	Sup 400E		8.5
Simmons Drlg	8	dsl	450	Troy 800	700	10
	11	dsl	350	Hycalog HH6000	350	6.8
	12	d-e	600	G-D 500E	700	10
	19	dsl	575	Troy M800	535	7.5
	21	dsl	350	Troy 300	350	6.2
	23	dsl	350	Troy 300	350	6.2
	25	dsl	350	Mac 300	350	6
Spartan Drlg	2	d-e	700	Sup 700E	700	1
	3	d-e	550	Sup 400E	400	7.5
	21	d-m	700	Shaf 6030	600	6.5
	22	d-m	700	Nat 370	600	9
	24	d-m	380	Scp 300	300	5.5
	44			Nat T8		
Tri-City Drlg	1	dsl	250	Fail 2500	200	3
	2	dsl	300	MC U34	3000	6
	3	dsl	250	Fail 2500	200	3
	4	dsl	300	Fail Stratmaster 90	290	5
	5	dsl	250	Fail 2500	210	3
	7	dsl	250	Fail 2500	210	3
	8	dsl	300	Fail 3500	280	3.5
	9	dsl	300	Sup 300	300	4.5
	10	dsl	300	Sup 300	300	4.5
Westburne Drlg Canada	1	dsl	1850	Nat 80B	1850	14.5
	4	dsl	1100	Emsco GC500	1100	11
	8	dsl	350	Sup PSD400	350	7.9
	10	dsl	1470	Nat 80	1470	14
	12	dsl	700	Nat 370	700	8
	14	dsl	1050	Nat 50A	1050	9.5
	15	dsl	700	S/B N7	700	8.5
	17	dsl	700	Emsco GB350	700	8
	24	dsl	350	Nat T32	350	7.5
	26	dsl	350	Nat T32	350	7
	28	dsl	1455	Nat 55	1455	11
	30	dsl	600	Kutryk KS1	700	5
	33	dsl	350	G-D 3000	300	3.5
	34	dsl	350	Idco H25CD	350	4.5
	35	dsl	350	Fail 2500	300	3
	37	dsl	350	G-D 2500	175	3.5
	38	dsl	350	Sup 300	300	4.9
	39	dsl	350	Fail 3500	300	3.5
	40	dsl	350	Fail 2500	175	3
	42	dsl	350	Nat T20	350	5.5
	50	dsl	350	Fail 2500	175	3
BRITISH COLUMBIA						
Adeco Drlg & Engrg	6	dsl	1500	Nat 100M	2340	18
Atco Drlg Bow Island Div	4	dsl	275	W-N 2000	275	2.9
	9	dsl	275	W-N 2000	275	2.9
	10	dsl	275	W-N 2000	275	2.9
Bawden Drlg	8	d-e	2200	Otwl 860	1400	20
	25E	d-e	2000	Emsco C1 Type II	1500	18
Centennial Drlg	2	dsl	380	Emsco 250GA	350	5.5/ 3.5"
Challenger Drlg-Calgary	15	dsl	800	Idco Sup 711	1300	12.5
Hi Tower Drlg	12	dsl	280	Nat T32	335	6.5
	14	dsl	280	Otwl 52T	350	6.5
	21E	d-e	3200	Emsco D3	1000	15
Jade Drlg	4	dsl	625	Idco H25	430	7.5
Kenting Drlg	7	dsl	720	Emsco GC500	720	10.5
	24	dsl	350	Nat 370	350	9
Loffland Bros	3	dsl	1850	MC U914A	2880	18
	171	d-e	2132	MC U914B	1700	18
Montgomery Drlg	46	d-e	2000	Nat 1320UE	2000	20
Nabors Drlg	3	dsl	1700	Otw 76	1326	14
	6	dsl	300	Idco H35	300	6
	9	dsl	2000	Nat 110	2250	18
	23-E	d-e	1600	Emsco D2	1800	14
Parker Drlg	94	dsl	1700	Nat 100M	2000	18
Regent Drlg	12-E	dsl	2200	G-D 1500	2592	20
Westburne Drlg Canada	22	dsl	700	Nat 50A	700	8.5
MANITOBA						
Red Arrow Drlg	2	dsl	225	Nat T12	275	5
NORTHWEST TERRITORIES						
Adeco Drlg & Engrg	4	dsl	1380	OIME Hellhoist 1500	2000	17
Atco Drlg Mustang Div	76	dsl		Nat 370	730	8.2
Bawden Drlg	1	mch	1000	Emsco GB500	500	8.5
Hi Tower Drlg	4	d-e	3200	Otwl E2000	2000	25
	17	dsl	560	Nat 50A	340	7

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available To Drawworks •	4½" - in. Pipe, 1000 ft. Rated Depth With •

CANADA (Cont'd)

NORTHWEST TERRITORIES (Cont'd)

Kerting Drlg	32-E	d-e	3720	Nat 110UE	2000	18
	33-E	d-e	1000	Sup 700E	700	9
Pan Arctic Drlg	A	d-e	1600	OIME 1000E	1000	12
	B	d-e	1000	Nat 80E	800	12
	C	d-e	1600	OIME 1000E	1000	12
Parker Drlg	99-HH/6	dsl	1500	OIME Hellhoist 1500	1500	17
Spartan Drlg	10	d-e	2000	Emsco E	2000	24
	20	d-e	800	Oilwell 500E	500	9

ONTARIO

Underwater Gas Dev	6			I-R T5	400	5

QUEBEC

Regent Drlg	6	dsl	1400	S/B N45	1400	14

SASKATCHEWAN

Adeco Drlg & Engrg	17		880	OIME SL750	1035	14
Argus Drlg Div Taro Inds	3	dsl	320	MC U34	319	6
Atco Drlg Bow Island Div	1	dsl	275	W-N 2000	275	2.9
	5	dsl	275	W-N 2000	275	2.9
	18	dsl	275	Nat T12	300	5
Atco Drlg Mustang Div	32	dsl	300	S/B N4		5.5
	33	dsl	300	Nat T20	300	5.5
	51	dsl	300	Idco H25	350	6
Badger Drlg	1	dsl	400	Idco H30	350	5.9
Blocker Drlg	3	dsl	770	OIME 750SL	1155	14
Cactus Drlg	11	dsl	350	MC U34	350	6.5
Guthrie McLaren Drlg	7	dsl	300	Nat T32	300	7/ 3.5"
Precision Drlg	3	dsl	350	Idco H30 Super 2FD	350	6.5
Red Arrow Drlg	11	dsl	225	RAD 200	275	6
	12	dsl	225	RAD 200	275	1.8
Sedco Drlg	80	dsl	375	Shaf 6000	456	6
	82		375	Sup 300	318	4.5
	84	dsl	320	Sup 300	318	4.5
	85		300	Sup 300	318	4.5
	87	dsl	300	Crdw L	318	4
	94	dsl	300	Crdw L	210	4
	98	dsl	350	Nat T20	456	6
Simmons Drlg	2	dsl	450	Troy 600	535	7.5
	4	dsl	350	Oilwell 52T	350	6.6
	14	dsl	450	Troy M600	535	7.5
	15	dsl	350	MC U34	350	6
	22	dsl	350	Troy 300	350	6.2
	24	dsl	350	Troy 300	350	6.2
Spartan Drlg	1	d-m	380	Sup 300	300	5.5
	5	d-m	380	Sup 300	300	5.9
	14	d-m	500	Sup 300	300	5.5
	23	d-m	700	Sup 300	300	5.5
	27	d-m	380	Sup 300	300	6
Tri-City Drlg	6	dsl	250	Fail 2500	210	3

CENTRAL AMERICA

BARBADOS

Well Services	10			G-D 500		9

BELIZE

Hughes Drlg	8	dsl	Cat 110	Idco H35	400	6.5

GUATEMALA

Forex Neptune and/or Affil	30	d-e	3200	G-D	2000	21.7
	39	dsl	1300	Idco H525	500	9
	47	d-e	3200	G-D 1100E	1500	18
Helmerich & Payne (Guatemala)	45	d-e	3000	Nat 1320UE	2000	25

EUROPE

AUSTRIA

Preussag Aktiengesellschaft	GH35	dsl	2000	DeMag GH35	1500	16.5

DENMARK

Kenting Drlg Serv	26	dsl	700	Sup 400	350	7/4"

FRANCE

Boldon Drlg	81	d-e	1800	Nat 80UE	2000	14.5/ 5"
Coastal	N-110	dsl	2500	Nat 110	1500	18
	80E	dsl	1500	Emsco 350	550	9
	610E	d-e	1600	Nat 610E	800	12
Forasol	E 160	mch	100	C-E 160	250	
	E900-1	d-e	2000	Idco 900	1000	12
	E900-2	d-e	1800	Idco 900	1000	12

EUROPE (Cont'd)

FRANCE (Cont'd)

Forasol	GD 2100	d-e	3200	Nat 2100	2000	21
	H 25	mch	130	Idco 25	300	
	H 35	mch	800	Idco 35	400	5
	H 525	d-e	2000	Idco 525	750	8
	H 725	mch	1600	Idco 725	900	9
	WN1	mch	500	W-N 250H40	400	5
	110/6	d-e	3200	Nat 110	1500	16
	110/8	d-e	2800	Nat 110	2000	16
	80-B	d-e	2000	Nat 80	1000	12
	80-B4	d-e	2800	Nat 80	1000	12
	110/12	d-e	2800	Nat 110	1500	16
	1320/1	d-e	3200	Nat 1320	2000	20
	1625/3	d-e	3200	Nat 1625	3000	25
Forex Neptune and/or Affil	16	d-e	2800	Emsco 1100DE	1500	18
	17	dsl	2000	Emsco A800	800	12
	19	dsl	1650	Nat 55	780	10.8
	22	d-e	3200	G-D 2100	2300	25.4
	28	dsl	1200	Idco H25	250	4.4
	29	dsl	450	Nat 55	700	10.8
	59	dsl	1700	Emsco D2	900	10

ICELAND

Orkustofnun State Drlg Contrs	DOFRI	dsl	1350	Oilwell 52T	320	7.3
	GLAUMUR	dsl	290	Fail 2000	290	3.7/ 2.88"
	JOTUNN	d-e	150u	G-D 700E	750	14
	NARFI	dsl	580	Fail 3000	290	8/ 3.5"
	YMIR	dsl	180	May 1000	180	1.8/ 2.37"

ITALY

Forasol	80-B3	d-e	2800	Nat 80	1000	12
Pool-Intairdrl	211	e-s	1300	Idco 1700	2000	17
	212	e-s	1200	Idco 1200	1000	12.5
Saipem	5803	dsl	1400	Idco H711	885	11.4
	5829	d-e	2000	Emsco D3	1000	12
	5832	d-e	3200	Idco E2100	2000	20
	5833	d-e	3200	Idco E2100	2000	20
	5836	dsl	2600	Idco 1350S	1950	18
	5840	dsl	2600	Idco H1700	1700	16.5
	5844	dsl	1000	Idco H30		4
	5848	dsl	2600	Idco H1700	1700	16.5
	5852	d-e	880	Idco E525	625	6
	5855	dsl	1800	Idco H1200	1740	13
	5856	dsl	1700	Idco H1200	1740	13
	5858	dsl	1135	Idco H40	432	6
	5864	d-e	3200	Emsco C3 Type II	3000	30
	5870	d-e	3200	Nat 1625 DE	3000	25
	5872	d-e	2600	Nat 1625 DE	3000	25
	5888	d-e	3200	Nat 1625 DE	3000	25
	5889	d-e	3200	Idco E3000	3000	30
	5891	d-e	3200	Nat 110UE	1800	17
	5892	d-e	3200	Nat 110UE	1800	17
	5898	d-e	2600	Idco HE1700	1400	16.5
	5899	dsl	1400	Crdw 03	1050	10.4

NETHERLANDS

Deutsche Tiefbohr	T-19	dsl	2800	Nat 80BE	1000	14
	T-27	d-e	3200	Nat 130	1825	20
	T-32	dsl	420	Idco H35KD	300	3
	T-40	d-e	2800	Nat 80B	1000	15

SPAIN

Compania Gen De Sondeos SA	1	dsl	1050	Emsco G450	450	10
	2	dsl	2700	Nat 110M	2000	19.7
	3	dsl	2400	G-D 800	1500	14.9
	4	d-e	2600	Nat 1320UE	2500	20
	5	dsl	1200	S/B 650	575	8.5
Forasol	1320/3	d-e	3200	Nat 1320	2000	20
	1625/2	d-e	3200	Nat 1625	3000	25
Sonpetrol	GD-2	dsl	1100	G-D 500	600	10
	N-11 N-7	dsl	3200	Nat 1625	3000	25
	N-8	dsl	2000	Nat 80UE	1000	14
	N-9	el	2800	Nat 110	2750	16

TURKEY

KCA Drlg	71	dsl	1800	Nat 80B	1000	12
	73	dsl	1800	Nat 80B	1000	12

UNITED KINGDOM

Boldon Drlg	41	dsl	1300	Nat 600	475	8/5"
	61	d-e	1200	Oilwell 660E	700	10/ 5"
Houlder Marine Drlg	2	d-e	1600	Sup 700E	1000	9
Kenting Drlg Serv	12	dsl	700	S/B N45	350	8/4"
	17	dsl	350	Fail 90	350	5/ 3.5"
	19	dsl	350	G-D 3000	230	4.5/ 3.5"
	21	d-e	2000	Nat 80UE	1000	14/ 5"

EUROPE (Cont'd)

UNITED KINGDOM (Cont'd)

Kenting Drlg Serv	31	d-e	2000	Nat 90UE	1000	14/ 5"
	34	d-e	1800	Nat 610UE	750	11.5
	35	d-e	1800	Unit 36AE	700	10
	36	d-e	1900	Sup 700UE	700	10
KCA Drlg	84	d-e	1900	Nat	800	10
	85	d-e	1800	Nat	660	10
	94	dsl		Cbot 550	375	4.5

WEST GERMANY

Deutsche Tiefbohr	T-1	dsl	335	Idco H1000	910	8
	T-3	dsl	420	Idco H44CD	480	5
	T-30	d-e	1000	Idco E725D	725	8
	T-38	dsl	1800	Idco H1000	980	8
	T-4	dsl	500	Idco H30	455	6
	T-45	d-e	2600	Emsco C2	2000	20
	T-47	d-e	3800	Emsco C3	3000	30
	T-48					
	T-5	dsl	335	Idco H525D	910	6
	T-7	dsl	1300	Nat 80B	1000	11
	T-8	dsl	335	Idco H1000	910	8
	T-81	dsl	375	Coop LTC350	200	4
	T-82	dsl	375	Coop LTC350	200	4
	T-83	dsl		Salt ZA198	200	
	T-84	dsl		Salt ZA198	200	
	T-85	dsl		Salt ZA198	200	
	T-86					
	T-92	dsl		H-L 6305	130	
	T-93	dsl		H-L 6305	130	
Preussag Aktiengesellschaft	GH-25	dsl	2000	Wirth GH25	1500	14
	ZA292	dsl	500	Salt	180	3
	900/1	dsl	1500	Cbot 2346	840	10
	900/2	dsl	1500	Cbot 2346	840	10
	900/3	dsl	1450	Cbot 2346	900	10
	1320UE	d-e	3200	Nat 3120UE	2000	25
Von Rautenkranz Hermann	ITAG 22	dsl	2500	Nat 110M		20
	ITAG-108	dsl	1200	Wils M75		10
	ITAG-109	dsl	600	Wils M75		10
	ITAG-23	d-e	3000	Oilwell 2000E		25

MIDDLE EAST

UNDESIGNATED

Henley Drlg	1	dsl	2000	OIME SL1000	1500	14

BAHRAIN

Santa Fe Drlg	142	dsl	2800	Nat 110UE	1500	18

IRAQ

Saipem	5843	d-e	2800	Oilwell E2000	2000	20
	5849	dsl	2600	Idco H1700	2000	16.5

KUWAIT

Parker Drlg	189	d-e	3200	OIME 3000E	3000	30
Santa Fe Drlg	KDC 10					
	KDC 11					
	KDC 5					
	KDC 6					
	KDC 7					
	KDC 8	d-e	2800	ORWELL E2000	2000	20
	KDC 9	d-e	2800	Oilwell E2000	2000	20
	80	d-e	2000	Nat 1320DE	2000	20
	145					

OMAN

Deutsche Tiefbohr	T-17	d-e	2700	Nat 1320UE	1800	20
	T-18	dsl	3200	Nat 55	1000	11
	T-29	d-e	2800	Nat 1320ME	2000	20
	T-33	dsl	1800	Nat 55	1000	11
	T-34	dsl	1800	Idco H1500	950	8
Forex Neptune and/or Affil	12	dsl	1800	Idco Junior 1200	1400	11.5
	15	d-e	3200	G-D 1500 E	2000	21.7
	21	d-e	3200	G-D 2100E	2300	25.4
	23	d-e	3200	G-D 2100RE	3000	25.4
	32	d-e	3200	G-D 1108E	1500	18
	34	d-e	3200	G-D 1100	1500	18
	57	dsl	2000	Oilwell 760	1000	15
	58	dsl	2000	Nat 80B	1000	15.7
Pool-Intairdrl	6	dsl	900	Cbot 750	650	7.5
Santa Fe Drlg	121	d-e	3400	Oilwell 2000E	3000	25

QATAR

Deutsche Tiefbohr	T-6	dsl	500	Idco H1000	910	8
Santa Fe Drlg	89	d-e	2000	Nat 110UE	1800	18
	131					

SAUDI ARABIA

Arabian Drlg	AD10	dsl	750	I-R 2042/180	700	10
	AD3	d-e	2950	Idco Super711	2000	18

MIDDLE EAST (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Mech Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
SAUDI ARABIA (Cont'd)						
Arabian Drlg	AD4	d-e	2100	Nat 110UE	2000	14
	AD5	dsl	750	MC U36A	950	10
	AD6	dsl	750	MC U36A	950	10
	AD7	dsl	750	Nat 370	800	10
	AD9	dsl	750	I-R 2042/180	700	10
Blocker Drlg	7	dsl	1400	Cbot 900	950	10
	19	dsl	1475	Cbot 2346	950	10
Loffland Bros	126	d-e	3200	MC U1226EBD	2800	25
	127	d-e	3200	MC U1226EBD	2800	25
	128	d-e	3200	MC U1226EDB	2800	25
Pool Arabia	15	dsl	420	Idco BIP550	430	6.5
	23	dsl	300	Idco H40	450	8
	29	dsl	420	Cbot 1058	420	6
	40	dsl	900	Cbot 700	660	6.5
	128	dsl	900	Cbot III	450	6.5
	138	dsl	450	Cbot	450	6.5
	190	dsl	550	Cbot	700	7.5
	191	dsl	550	Cuot	700	7.5
	192	dsl	900	I-R 2042/180	700	8.5
	193	dsl	530	I-R 2042/180	700	8.5
	194	dsl	750	I-R 2042/180	700	8.5
	195	dsl	750	I-R 2042/180	700	8.5
	201	dsl	1400	Oiwl	1000	12
	202	dsl	1400	Oiwl	1000	12
	203	dsl	1400	Oiwl	1000	12
Santa Fe Drlg	67	d-e	2400	Nat 1320DE	3400	20
	70	d-e	2000	Nat 1320DE	3400	20
	101	d-e	2800	Nat 110UE	1500	16
	109	d-e	2800	Nat 110UE	1500	16
SYRIA						
Forex Neptune and/or Affil	18	dsl	900	Idco H40	500	9
	25	d-e	3200	G-D 2108RE	3000	25.4
	33	d-e	3200	G-D 1100	1500	16
	36	d-e	3200	G-D	1600	16
UNITED ARAB EMIRATES						
Forex Neptune and/or Affil	40	d-e	2000	Nat 80UE	1000	15.7
	56	dsl	2800	Nat 80B	1000	15.7
Gasprosco Intl	36	dsl	725	Idco H900	725	10
	42	d-e	725	Idco ED900	1000	10
	43	d-e	700	Idco ED900	1000	10
National Drlg	1					
	2					
	8					
	9					
	10					
	11					
Pool-Intairdril	213	el	900	Idco 900	1000	10.5
	214	el	900	Idco 900	1000	10.5
	215	el	900	Idco 900	1000	10.5
Saipem	5828	d-e	3200	Idco E2100	2000	20
	5887	d-e	3200	Nat 1625 DE	3000	25
Santa Fe Drlg	93	d-e	1700	Nat 80UE	700	12
	104	d-e	3400	Nat 1100UE	1500	18
	139	dsl	3400	Oiwl E2000	2000	25
	144					
Sedco Inc	91	d-e	3400	Nat 110UE	2000	16
	95	d-e	3400	Nat 1320UE	2000	20
	96	d-e	3400	Oiwl E2000	2800	20
	97	d-e	3400	Oiwl E2000	2000	20
Sonat Offshore Drlg	14	dsl	2800	Emsco C2 Type II	2000	20
Westburne WW Drlg	210	dsl	2800	Nat 1320E	2000	20
	211	dsl	2800	Nat 110OUE	1500	16
	213	dsl	2800	Nat 110UE	1500	16
YEMEN						
Westburne WW Drlg	212	dsl	2800	Nat 110UE	1500	16

SOUTH AMERICA

Contractor	Rig No.	Type Power	Total HP All Mech Mud Pumps	Drawworks Make And Model	Total HP Available To Drawworks	Rated Depth With 4½ - in. Pipe, 1000 ft.
ARGENTINA						
Compania Naviera Perez Companc	1	dsl	1400	Crdw J450	700	6.9
	2	dsl	1400	Crdw J450	700	6.9
	3	dsl	1400	Crdw J450	700	6.9
	4	dsl	1400	Crdw J450	700	6.9
	5	dsl	1400	Crdw KM250	350	5.9
	6	dsl	1400	Crdw KM250	350	5.9
	29	dsl	1800	G-D 700	700	10
	36	dsl	1800	G-D 800	1060	12
	37	dsl	1400	Crdw KB210	350	5.9
	42	dsl	1000	G-D 700	1700	10
	45	d-e	2800	Idco E1700	1700	15.2
	46	dsl	1500	G-D 508M	700	10
Quitral-Co SAIC	P-01	d-e	2000	Emsco Electrohoist II	2100	18.5
	P-02	d-e	2000	Emsco Electrohoist II	2100	19
	P-07	dsl	1200	Idco H40	450	6.5
	P-08	dsl	1500	MC U36	900	10
	P-12	dsl	1500	Wils	530	2
Rio Colorado SA	E-101	dsl	1250	MC U36A	700	10
	E-102	dsl	1250	MC U36A	1000	10
	E-103	dsl	1250	MC U36A	1000	10
	E-104	dsl	1000	Idco H525	800	10
	E-105	dsl	1000	Emsco GC350	800	9
	E-106	dsl	1000	Emsco GC350T	1000	9
	E-107	dsl	1800	Nat 100H	1500	16
	E-108	dsl	1250	Nat	800	10
	E-109	dsl	1250	Nat N75	1500	11
	E-110	dsl	1000	Idco H40	500	8
	E-111	dsl	1500	G-D 800DW	900	11
	E-112	dsl	1000	Idco H40	500	6.5
	E-113	dsl	1800	G-D 800DW	1250	12
	E-125	dsl	880	Idco H37	500	6.5
	E-126	dsl	2800	Nat 1320UE	2000	20
	E-127	d-e	2000	G-D 1500E	2000	20
	E-128	d-e	1140	Idco E525	1000	10
	E-129	dsl	1800	Nat 75	1000	10
	E-130	dsl	1320	Idco H40	450	8
	E-132	dsl	1320	Idco H40	550	8
	E-134	d-e	2800	Nat 1625DE	3000	25
	E-137	dsl	1800	Idco H1200	2500	15
	E-301	dsl	230	Crdw KB500	380	12
	E-302	dsl	180	W-M 1536B	380	11
	E-307	dsl	180	Idco H-25	380	10
	E-309	dsl	230	Idco KB210A	280	10
	E-310	dsl	230	Crdw KB200C	380	10
	E-317	dsl	550	Crdw KB200C	370	10
	E-318	dsl	550	Idco H30	230	11
	E-319	dsl	550	Idco H30	230	11
	E-320	dsl	550	Idco H30	230	11
	E-323	dsl	550	Idco H30	230	11
	135	dsl	1100	Idco H40	680	8
	136	dsl		Idco H40		8
	146	dsl				15
	303	dsl		W-M 1536B		11
	304	dsl		W-M 1536B		11
	305	dsl		Wils Super 38		11
	306	dsl		Crdw K210A		10
	308	dsl		Crdw K200		10
	311	dsl		Wils Super 38		11
	312	dsl		Crdw KB150		9
	321	dsl		Idco M20D		8.5
	322	dsl		Idco M20D		8.5
	324	dsl		Idco M20D		8.5
	325	dsl		Idco H25		9.5
	326	dsl		Crdw KB210A		10
	327	dsl		Idco H20		8.5
BOLIVIA						
Helmerich & Payne Reco	9	d-e	1600	HS1500	1500	18
	11	d-e	1600	HS1500	1500	18
BRAZIL						
Odebrecht Perforacoes	EG-1			Idco 2000		20/5"
	EG-2			Idco 2000		20/5"
Parker Drlg	132-HH/20	dsl	1500	OIME TBA2000	1500	20
	134-HH/22	dsl	1500	OIME TBA2000	1500	20
	151-HH/34	dsl	1500	OIME TBA2000	1500	20
	116-HH/40	dsl	2000	OIME TBA2000	2000	20
Rio Colorado SA	E-121	d-e	2800	S/B N95A	2000	16
	E-122	d-e	2800	S/B N95A	2000	16
	E-123	d-e	2800	Nat 1320E	2000	20
	E-124	d-e	2800	Nat 1320E	2000	20
COLOMBIA						
Helmerich & Payne (Colombia)	7	d-e	2000	HS1500	1500	18
	10	d-e	1600	HS1500	1500	18
	16	d-e	2800	HS1500	1500	18
Parker Drlg	104	dsl	1500	Nat 50A	1500	10
	158	dsl	1500	Nat 80B	1500	14
	209	dsl	2000	OIME TBA2000	2000	20
	209	dsl	750	Nat 50	750	10
	216	dsl	3200	OIME 2000M	3200	25
	110-HH/9	dsl	1500	OIME HH1500	1500	17
	197-HH/43	dsl	2000	OIME TBA2000	2000	20
Pool-Intairdril	207	dsl	400	Wils Mogul 42	400	
	208	dsl	2000	OIME	1000	12
	209	dsl	2000	OIME	1000	12
Rio Colorado SA	E-135	dsl	1000	S/B N85		14
ECUADOR						
Helmerich & Payne Del Ecuador	12	d-e	1600	HS1500	1500	18
	18	dsl	600	Coop LTO550	350	6
Parker Drlg	135	dsl	1500	OIME TBA2000	1500	20
	219	dsl	3200	OIME 2000M	3200	25
Pool-Intairdril	135	dsl	230	Wils Mogul 42	450	6.5
	210	dsl	400	Wils DD42438	400	3
	217	dsl	400	Idco H37	450	
PERU						
Blocker Intl	21	dsl	550	Idco H37	458	7
	22	dsl	550	Idco H37	458	7
	23	dsl	550	Idco H37	458	7
	24	dsl	550	Idco H37	458	7
	31					15
	34					15
Parker Drlg	155	dsl	1500	OIME TBA2000	1500	20
	207	dsl	2000	OIME TBA2000	2000	20
	107-HH/4	dsl	1500	OIME HH1250A	1500	15
	108-HH/5	dsl	1500	OIME HH1500	1500	15
	127-HH/15	dsl	1500	OIME TBA2000	1500	20
	131-HH/19	dsl	1500	OIME TBA2000	1500	20
	144-HH/30	dsl	1500	OIME TBA2000	1500	20
	145-HH/31	dsl	1500	OIME TBA2000	1500	20
	154-HH/35	dsl	1500	OIME TBA2000	1500	20
Rio Colorado SA	E-114	dsl	980	Crdw KT250	500	6
	E-115	dsl	980	Crdw KT250	500	6
	E-116	dsl	980	Crdw KT250	500	6
	E-117	dsl	980	Crdw KT250	500	6
	E-118	dsl	680	I-R RT5	280	3
	313	dsl		Crdw KB150		9
	314	dsl		Crdw KB150		9
	315	dsl		Crdw KB150		9
	316	dsl		Crdw KB150		9
TRINIDAD						
Skinner Marine Oper	15	dsl	280	Cbot 280CA Rocket	280	3
	16	dsl	660	Cbot 1287	300	4
	17	dsl	1200	Oiwl 660		9
	18	d-e	4000	Oiwl 640E	2000	16
Well Services	1			G-D 500		9
	2			G-D 500		9
	4			Nat T32		6.5
	9			Nat 1320UE		20
VENEZUELA						
Helmerich & Payne CA	3	dsl	600	Idco H37	600	6
	6	dsl	300	Idco H44	400	5
	14	dsl	600	Idco H37	400	6
	17	dsl	600	Coop LTO550	600	6
	19	dsl	600	Coop LTO550	600	6
	20	dsl	600	Coop LTO550	600	6
	21	dsl	600	Coop LTO550	600	6
	28	dsl	1500	Nat 110	1500	10
	30	dsl	1200	Idco H525	1200	10
	31	dsl	1200	Idco H525	1000	10
	67	dsl	1500	Nat 110	1500	10
Loffland Bros	14	dsl	700	MC U36A	785	9
	24	d-e	2800	Nat 100E	2000	16
	41	dsl	2000	MC U814C	2000	20
	54	d-e	2900	MC U1220EB	3300	28
	61	dsl	500	Idco H525	586	6.5
	68	d-e	3200	MC U1220EB	3300	28
	94	d-e	2000	MC U20E	1900	16
Santa Fe Drlg	2	dsl	1700	Nat 130	1860	20
	8	dsl	2200	Nat 130	1860	20
	9	dsl	1850	Nat 130	1860	20
	15	dsl	800	Idco 525	600	9
	16	dsl	600	Nat T32	250	5
	20	dsl	600	Idco H400	350	7
	21	dsl	1200	MC U814B	1800	20
	22	dsl	350	Idco H35	350	5
	24	dsl	350	Idco H35	350	5
	110	d-e	2000	Nat 1320UE	2000	20
	115	d-e	2000	Nat 1320DE	3400	20
	119	d-e	2880	Oiwl E2000	2880	20
	125	dsl	800	Hoop GXTA	450	6
	139	dsl	1700	G-D 508M	660	9

International Contract Offshore Drilling Rigs

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
AFRICA							
ANGOLA							
Foramer/Ile du Levant	JU	13.63	5	Nat 1320DE	20	250	Drilling
Global Marine Drlg/Glomar Adriatic II	JU	13.63	10	Nat 1625DE	25	300	Drilling
Sedco Inc/Sedco 135C	SS	18.75	10	Otwl E3000	25	600	Drilling
Sedco Inc/Sedneth Luanda	JU	13.63	10	Nat 1320UE	20	250	Drilling
BENIN							
Gotfjell Drlg & Consulting/Amazone	JU						Drilling
CABINDA							
Keydril/Key Largo	JU	13.63	10	Otwl E3000	30	300	Drilling
Sedco Inc/Sedco 251	JU	13.63	10	Emsco C2	20	250	Drilling
CAMEROON							
Cosifor/Navifor I	T	18.75	5	Nat 1320UE	20	350	Stacked
Cosifor/Navifor II	T	13.63	5	Nat 1320UE	20	400	Drilling
Forex Neptune and/or Affil/Seamec 2	T	11.00	10	G-D 500E	11	350	Workover
Western Oceanic/Western Polaris I	JU	13.63	10	Nat 1320UE	20	250	Drilling
Western Oceanic/Western Polaris II	JU	13.63	10	Nat 1320UE	20	250	Drilling
CONGO							
Foramer/Barracuda	T	18.75	5	Nat 1320DE	20	400	Drilling
Forex Neptune and/or Affil/Trident IX	JU	13.63	10	G-D 1500E	15	400	Drilling
EGYPT							
Dixilyn-Field Drlg/DF82	JU	13.63	10	Nat 1320UE	20	250	Drilling
Egyptian Drlg/EDC Rig 22	P	13.63	5	Emsco WS10	17		Drilling
Egyptian Drlg/Senusret	JU			Otwl 2000E	25	250	Drilling
Egyptian Drlg/Snefaru	JU			Otwl 2000E	25	225	Drilling
Foramer/Ile de la Martinique	T	18.75	5	Nat 1320DE	20	400	En Route
Global Marine Drlg/Glomar Adriatic VIII	JU	13.63	10	Nat 1625DE	25	300	Drilling
Global Marine Drlg/Glomar High Island II	JU	13.63	10	Nat 1320UE	20	250	Drilling
Japan Drlg/Hakuryu I	JU	13.63	5	Hitachi MH4000	14	100	Drilling
Maersk Drlg/Maersk Endover	JU	13.63	10	Otwl E2000	20	250	Drilling
Maersk Drlg/Maersk Viking	JU	13.63	10	Otwl E2000	20	300	Drilling
Magnum Marine/H L Cecil	JU	13.63	10	Sup 2000E	25	350	Drilling
Ocean Drlg & Expl/Ben Ocean Typhoon	DS	13.63	5	Nat 1320UE	25	600	Drilling
Ocean Drlg & Expl/Ocean Tide	JU	13.63	10	Nat 1320DE	25	350	Drilling
Penrod Drlg/80	JU	13.63	10	Nat 1320UE	20	250	Stacked
Saipem/Perro Negro 4	JU	13.63	5	Nat 110UE	16	150	Workover
Saipem/5834	P	14.00	5	Idco E2100	20		Drilling
Santa Fe Drlg/Santa Fe Mariner I	SS	18.75	5	Nat 1320UE	20	600	Drilling
Santa Fe Drlg/105	JU	21.25	5	Emsco C2	20	250	Drilling
Santa Fe Drlg/124	JU	13.63	5	Nat 1625DE	20	250	Drilling
Santa Fe Drlg/136	JU	13.63	10	Nat 1320UE	20	250	Drilling
Santa Fe Drlg/141	JU	13.63	10	Otwl E2000	20	250	Drilling
Sonat Interocean Drlg SA/Interocean III	JU	13.63	10	Nat 1320UE	20	307	Drilling
Sonat Offshore Drlg/Discoverer I	T	12.00	3	Nat 808	12	600	Drilling
Sonat Offshore Drlg/Offshore Aquarius	JU	13.63	5	Otwl E2000	20	250	Drilling
Sonat Offshore Drlg/Offshore Comet	JU	13.63	10	Nat 1320UE	20	225	Drilling
Sonat Offshore Drlg/Offshore Mercury	JU	13.63	10	Nat 1320DE	20	250	Drilling
Sonat Offshore Drlg/Offshore Taurus	JU	13.63	10	MC U1220BE	20	250	Stacked
Western Oceanic/Western Triton I	JU	13.63	10	Nat 1320UE	20	250	Drilling
GABON							
Cosifor/Navifor III	T	18.75	5	Nat 1320UE	20	400	Drilling
Cosifor/Navifor Horse	DS	18.63	10	Nat 1320UE	20	600	Drilling
Foramer/Ile d'Ouessant	T	10.00	5	Idco H525	6	400	Stacked
Foramer/Ile de Re	T	18.75	5	Nat 1320DE	20	400	Stacked
Forex Neptune and/or Affil/Seamec I	T	18.75	5	G-D 1100E	18	350	Stacked
Forex Neptune and/or Affil/Trident VII	JU	13.60	10	G-D 1500E	19	100	Standby
Global Marine Drlg/Glomar Adriatic I	JU	13.63	10	Nat 1625DE	25	300	Drilling
Global Marine Drlg/Glomar High Island III	JU	13.63	10	Nat 1320UE	20	250	Drilling
Global Marine Drlg/Glomar High Island V	JU	13.63	10	Nat 1320UE	20	250	Drilling
Global Marine Drlg/Glomar Main Pass I	JU	13.63	10	Nat 1625DE	25	300	Drilling
Transworld Drlg/46	S	13.63	5	Emsco BDA-80	30	70	Stacked
IVORY COAST							
J.L. Offshore/Dan Duke	JU	13.60	10	Nat 1320UE	20	350	Production
Reading & Bates/Douglas Carver	DS	20.00	10	Nat 1625DE	25	750	Drilling
Southeastern Drlg Serv/Sedco 135J	SS	21.25	2	Otwl E3000	25	600	Drilling
KENYA							
Western Offshore/IX	DS	18.75	10	Nat 1625DE	25	750	Drilling
LIBERIA							
Reddrill/Reddrill 1							Drilling
LIBYA							
Saipem/Perro Negro 3	JU	13.58	10	Idco E2100	21	350	Drilling
Saipem/Scarabeo 3	SS	18.75	10	Nat 1625	25	1300	Drilling
MOROCCO							
Sedco Inc/Sedco H	SS	18.75	10	Otwl 3000	20	600	Drilling
NIGERIA							
Forex Neptune and/or Affil/Belle Isle	B	13.63	5	Emsco 1500UE	15	22	Drilling
Forex Neptune and/or Affil/Lutece	B	13.63	5	Idco 2500E	20	22	Drilling
Forex Neptune and/or Affil/Trident VIII	JU	13.63	10	G-D 1500E	15	300	Drilling
Keydril/Key Bermuda	JU	13.63	10	Otwl 2000	20	250	Drilling
Santa Fe Drlg/Swamp Master	B	13.63	5	Idco 2500E	20	22	Drilling
Santa Fe Drlg/Swamp Queen	B	20.00	5	Nat 1320	20	22	Stacked
Western Offshore/Mr Sage	JU	13.63	5	Nat 1320UE	20	250	Drilling

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
AFRICA (Cont'd)							
SOMALIA							
Pacnorse Drlg SA/Pacnorse I	DS	16.75	10	Emsco C3	25	3000	Drilling
SOUTH AFRICA							
Foramer/Actinia	SS	18.75	10	Nat 1625	25	1500	Drilling
Sedco Maritime/Sedco 135K	SS	21.25	10	Otwl E3000	25	900	Drilling
TOGO							
Forex Neptune and/or Affil/Trident IV	JU	13.63	10	G-D 2100E	20	300	Drilling
TUNISIA							
Blocker Drlg & Marine/Trinity Bay	B	13.63	10	Idco E3000	30		Stacked
Global Marine Drlg/Glomar High Island VIII	JU	13.63	10	Nat 1320UE	20	250	Drilling
Keydril/Galveston Key	JU	13.63	10	Emsco C3 Type 2	30	300	Drilling
ZAIRE							
Keydril/Key Victoria	JU	13.63	5	Otwl E2000	25	280	Drilling
ASIA PACIFIC							
AUSTRALIA							
Atwood Oceanics Pacific/Energy Searcher	DS	18.75	10	G-D 3000E	25/5"	1500	Drilling
Atwood Oceanics Pacific/Regional Endeavour	DS	18.75	10	Nat 1320UE	20/5"	1500	Drilling
Global Marine Drlg/Glomar Main Pass III	JU	13.63	10	Nat 1625DE	25	300	Drilling
Lofland Bros/95	P	13.63	5	MC U1220	20		Drilling
Maersk Drlg/Maersk Valiant	JU	13.63	10	Otwl E2000	20	300	Stacked
Ocean Drlg & Expl/Ocean Digger	SS	18.75	10	Emsco A1500	25	600	Stacked
Pool Australia/110	P			I-R 2042	7.5		Stacked
Richter Drlg Pty/10	P	13.63	5	Nat 110UE	16		Drilling
Richter Drlg Pty/12	P	13.63	5	Nat 110UE	16		Drilling
South Seas Drlg/Southern Cross	SS	18.75	10	Otwl E2000	20	1500	Drilling
BORNEO							
Foramer/Ile de Sein	T	18.75	5	Nat 1320DE	20	400	Drilling
Rowan Intl/Rowan Fairbanks	B	13.63	5	Nat 1320UE	25	20	Drilling
Rowan Intl/Rowan Morgan City	B	13.63	5	Nat 1320UE	25	20	Drilling
BRUNEI							
Reading & Bates/Harvey H Ward	JU	13.63	10	Nat 1625	25	300	Drilling
Reading & Bates/I J Pierce	PT	20.00	5	Otwl 840E	18		Drilling
Reading & Bates/J W Nickle	PT	20.00	5	Otwl 840E	18		Drilling
Sedco Inc/Sedco 135E	SS	20.00		Otwl 3000	25	600	Drilling
Southeastern Ocean Drlg/Sedco 135A	SS	13.63	5	Otwl 3000	25	600	Stacked
CHINA							
Atlantic Drlg/Benlomond	DS	18.75	10	Emsco C2	20/5"	750	Drilling
China Natl Offshore Oil Corp/Nan Hai II	SS	18.75	10	Emsco	25	1000	Drilling
Japan Drlg/Hakuryu III	SS	18.75	10	Emsco C3 Type II	35	1000	Drilling
Japan Drlg/Hakuryu 9	JU	13.63	10	Nat 1320UE	23.5	186	Drilling
JFP Well Serv/JFP Nine	JU	13.63	10	Otwl 840E	15	150	Stacked
Reading & Bates/Jim Cunningham	SS	18.75	10	Nat 1625DE	25	1500	Drilling
Sedco Inc/Sedco 600	SS	18.75	10	Emsco C2 Type II	20	1800	Drilling
Sedco Inc/Sedco 602	SS	18.75	10	Emsco C2 Type II	20	1800	Drilling
Western Offshore/VIII	DS	18.75	5	Nat 1625DE	25	600	Drilling
Zapata Offshore/Zapata Arctic (36)	SS	18.75	15	Emsco C3	25	2000	Drilling
INDIA							
Atwood Oceanics Pacific/Gettysburg	B	18.75	10	Nat 1320	20/5"	600	Drilling
Atwood Oceanics Pacific/Shenandoah	JU	13.63	10	Emsco C2	20/5"	300	Drilling
Dixilyn-Field Drlg/DF95	SS	18.75	10	Nat 1625DE	25	600	Drilling
Griffin-Alexander Drlg/G-A I	JU	13.63	10	MC EB1220	25	200	Drilling
Sedco Intl SA/Sedco 445	DS	18.75	10	Otwl E3000	25	3000	Drilling
Western Oceanic/Western Triton II	JU	13.63	10	Nat 1320	20	250	Drilling
Zapata Offshore/Miss Kitty (37)	JU	13.63	10	Nat 1625	25	300	Drilling
INDONESIA							
Atwood Oceanics Pacific/Chancellorsville	DS	18.75	10	Emsco C2	20/5"	1000	Drilling
Atwood Oceanics Pacific/Williamsburg	PT	13.63	5	Emsco C	20/5"	300	Stacked
Dual Drlg/Rig 38	JU	13.63	5	Otwl E2000	20	300	Drilling
Dual Drlg/Rig 42	JU	13.63	5	Otwl E2000	20	300	Drilling
Foramer/Alligator	T	13.63	5	Nat 110UE	20	400	Drilling
Foramer/Bintang K	B	13.63	10	Nat 1320	20	21	Drilling
Foramer/Ile d'Amsterdam	JU	13.63	10	Nat 1320UE	20	300	Drilling
Forex Neptune and/or Affil/Gavrinis (Rig 37)	B	13.63	5	Nat 110UE	18	25	Drilling
Forex Neptune and/or Affil/Izenah (Rig 38)	B	13.63	5	Nat 110UE	18	25	Drilling
Global Marine Drlg/Glomar Conception	DS	18.75	10	Nat 1625DE	25	600	Drilling
Global Marine Drlg/Glomar Grand Isle	DS	18.75	10	Nat 1625DE	25	600	Drilling
Global Marine Drlg/Glomar Robert F Bauer	DS	18.75	10	Nat 1625DE	25	2500	Drilling
Japan Drlg/Hakuryu IV	JU	13.63	10	Nat 1625DE	29	295	Drilling
Penrod Drlg/93	JU	13.63	10	Nat 1320UE	25	250	Drilling
Reading & Bates/Charley Graves	PT	20.00	10	Nat 1320UE	25		Drilling
Reading & Bates/Chris Sager	JU	29.50	10	Idco 2500	20	210	Drilling
Reading & Bates/D K McIntosh	JU	30.00	10	Nat 1320	20	250	Drilling
Reading & Bates/J W Bates	DS	20.00	10	Nat 1320UE	20	600	Drilling
Reading & Bates/J W McLean	JU	20.00	10	Nat 130	20	225	Drilling
Reading & Bates/W D Kent	P	13.63	5	Nat 1320UE	25		Drilling
Santa Fe Drlg/127	JU	13.63	5	Nat 1320UE	20	250	Drilling
Santa Fe Drlg/134	JU	21.25	10	Nat 1320UE	20	250	Drilling
Western Offshore/VII	B	18.75	5	G-D 2100RE	25	600	Drilling

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½" in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
ASIA PACIFIC (Cont'd)							
INDONESIA (Cont'd)							
Zapata Offshore/Enterprise (35)	JU			Emsco C3 Type II	20	200	Drilling
Zapata Offshore/Trader (21)	DS						Drilling
JAPAN							
Japan Drlg/Hakuryu II	SS	13.63	10	Emsco C3 Type II	35	656	Drilling
Japan Drlg/Hakuryu V	SS	18.75	10	Emsco C3 Type II	35	1640	Drilling
Sonat Offshore Drlg/Henry Goodrich							Under Construction
Sonat Offshore Drlg/Polar Pioneer							Under Construction
KOREA							
Golar-Nor Offshore AS/Norjarl	SS	18.75	15	Nat 1625DE	20/5"	2000	Under Construction
MALAYSIA							
Dolphin Titan intl/140	T	13.63	10	Nat 1320UE	20	225	Drilling
Forex Neptune and/or Affil/Grand Large	T	13.63	5	G-D 1500UE	18	250	Drilling
Forex Neptune and/or Affil/Trident II	JU	13.63	10	G-D 2100RE	20	350	Drilling
Lofland Bros/46	P	13.63	5	MC U914CE	18		Stacked
Lofland Bros/47	P	13.63	5	MC U914	18		Stacked
Pool Australia/448	P			Idco H725	7.5		Drilling
Pool Australia/450	P			Idco 1700E	20		Drilling
Reading & Bates/D R Stewart	JU	13.63	10	Otwl E3000	25	300	Drilling
Santa Fe Drlg/Santa Fe Explorer	JU	20.00	5	MC U91[illegible]	15	160	Stacked
Sonat Offshore Drlg/Discoverer III	DS	18.75	10	Nat 1625	20	600	Drilling
NEW ZEALAND							
Diamond M/Epoch	SS	18.75	10	Otwl E3000	30	1200	Drilling
SINGAPORE							
Atwood Oceanics Pacific/Margie	SS	18.75	10	Nat 1320	26/5"	600	Stacked
Atwood Oceanics Pacific/Mission Viking	B	18.75	10	Nat 1625DE	26/5"	700	Drilling
Blocker Drlg & Marine/Vermilion Bay	B	13.63	10		30		Stacked
Dolphin Titan Intl/143	T	13.63	10	Emsco A100E	20	150	Stacked
Foramer/Shiloh	T	13.63	5	Nat 1320DE	20	400	Stacked
Ocean Drlg & Expl/Ocean Hurricane	DS	18.75	10	Nat 1625	25	600	Stacked
TAIWAN							
J L Offshore/Dan Baron	DS	18.75	10	Idco E3000	20	1000	En Route
J L Offshore/Danwood Ice	DS	18.75	10	Nat 1320UE	20	1000	Drilling
THAILAND							
Great Eastern Drlg & Engrg/Eastern Princess	PT	13.63	5	Emsco C2	20	400	Drilling
Great Eastern Drlg & Engrg/Eastern Queen	PT	13.63	5	Emsco C2	20	400	Drilling
Great Eastern Drlg & Engrg/Seacrest	DS	18.75	10	Otwl E3000	25	1000	Drilling
CANADA							
UNDESIGNATED							
Sonat Offshore Drlg/John Shaw	SS	18.75	10	Emsco C3 Type II	25	1500	Drilling
NEWFOUNDLAND							
Bow Valley Offshore Drlg/Bow Drill 1	SS	13.63	15	G-D 3000E	25	1200	Drilling
Bow Valley Offshore Drlg/Bow Drill 2	SS	18.75	15	Nat 1625	/25	1500	Drilling
Bow Valley Offshore Drlg/Bow Drill 3	SS	18.75	15	Nat 1625	/25	1500	Drilling
NORTHWEST TERRITORIES							
Canadian Marine Drlg/Canmar Explorer I	DS	18.75	10	Idco 2100E	25/5"	600	Winter Layup
Canadian Marine Drlg/Canmar Explorer II	DS	18.75	10	Idco 2100E	25/5"	600	Winter Layup
Canadian Marine Drlg/Canmar Explorer III	DS	18.75	10	Nat 1625DE	25/5"	1500	Winter Layup
Canadian Marine Drlg/Canmar Explorer IV	DS	18.75	10	Emsco C3	20/5"	607	Winter Layup
Canadian Marine Drlg/Rig 1							Stacked
Canadian Marine Drlg/SSDC	S	13.63	10	Nat 1625	22		Winter Layup
NOVA SCOTIA							
Global Marine Drlg/Glomar Labrador I	JU	13.63	15	Nat 1625DE	25	300	Drilling
Marine Drlg SA/Sedco 709-Sexton	SS	16.75	10	Otwl E3000	25	6000	Drilling
Rowan Co/Gorilla III	JU	13.63	10	Nat 1625	25	328	Drilling
Rowan Co/Rowan Gorilla I	JU	13.63	10	Nat 1625UE	25	328	Drilling
Rowan Co/Rowan Juneau	JU	13.63	15	Nat 1625	25	300	Drilling
Sedco Inc/Sedco 710	SS	13.63	15	Otwl E3000	25	5000	Drilling
Zapata Offshore/31 (Scotian)	JU	13.63	15	Nat 1625DE	25	200	Drilling
706 Drlg/Sedco 706	SS	18.75	10	Otwl E3000	25	1300	Drilling
ONTARIO							
Underwater Gas Dev/Mr Neil	P	10.00		Idco H525D	8/3-1/2"	80	Stacked
Underwater Gas Dev/Telesis	DS	8.00		Nat T20	5/3 1/2"	210	Drilling
Underwater Gas Dev/Timesaver II	P	8.00		Emsco GB250T	5/3 1/2"	100	Drilling
CENTRAL AMERICA							
BELIZE							
Keydril/Key Gibraltar	JU	13.63	10	Otwl E2000	25	300	Drilling
EUROPE							
DENMARK							
J L Offshore/Dan Earl	JU	13.63	10	Nat 1320UE	20	205	Drilling
J L Offshore/Dan King	JU	13.63	10	Nat 1320UE	20	205	Drilling

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½" in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
EUROPE (Cont'd)							
DENMARK (Cont'd)							
Maersk Drlg/Maersk Endeavour	JU	13.63	10	Nat 1320UE	20	251	Drilling
Maersk Drlg/Maersk Explorer	JU	13.63	10	Nat 1320UE	25	205	Drilling
FRANCE							
Foramer/Pelican	DS	13.63	10	Nat 1625DE	25	1100	Stacked
GREECE							
Penrod Drlg/58	JU	13.63	10	Nat 1625DE	30	210	Stacked
IRELAND							
Southeastern Drlg Serv/Sedco 704	SS	18.75	10	Otwl 3000	25	1500	Under Repair
ITALY							
Foramer/Asterie	SS	18.75	10	G-D 3000	20	600	Drilling
Global Marine Drlg/Glomar Adriatic IV	JU	13.63	10	Nat 1625DE	25	300	Drilling
Global Marine Drlg/Glomar Biscay I	SS	18.75	10	Otwl E3000	25	1500	Drilling
Global Marine Drlg/Glomar Grand Banks	DS	18.75	10	Nat 1625DE	25	600	Drilling
Pool-Intairdril/446	P	13.63	5	OIME 1000	10		Drilling
Pool-Intairdril/447	P	13.63	5	OIME 1000	10		Stacked
Reading & Bates/Mr Jack	JU	20.00	10	Otwl E3000	25	300	Drilling
Reading & Bates/Roger W Mowell	JU	13.63	10	Nat 1625DE	25	300	Drilling
Reading & Bates/W B Tyson	JU	13.63	10	Nat 1625DE	25	300	Drilling
Saipem/Perro Negro	JU	13.63	10	Idco PE2500	21	130	Drilling
Saipem/Perro Negro 2	JU	13.58	10	Otwl E2000	21	300	Drilling
Saipem/Saipem Due	DS	16.75	5	Nat 1625	25	1500	Drilling
Saipem/Scarabeo 2	SS	18.75	10	Idco PE2500	21	600	Being Modified
Saipem/5853	P	11.00	10	Idco H525D	7		Drilling
Saipem/5890	P	13.58	10	Idco E2100	25		Drilling
MALTA							
Saipem/Scarabeo 4	SS	18.75	10	Nat 1625	25	1300	Drilling
Santa Fe Drlg/Mariner 2	SS	16.75	5	Nat 1320UE	20	600	Stacked
NETHERLANDS							
Deutsche Tiefbohr/T-38	P	11.00	10	Wils 75	13/ 3.5"		Workover
Deutsche Tiefbohr/T-39	P	13.63	3	Sup 400UE	6/ 3.5"		Workover
Dixilyn-Field Drlg/DF87	JU	13.63	10	Nat 1320UE	25	300	Drilling
Dyvi Offshore AS/Dyvi Epsilon	JU	13.63	10	Nat 1320UE	20	210	Drilling
Foramer/Platon	JU	13.63	10	Nat 1625	25	300	Drilling
Global Marine Drlg/Glomar Adriatic III	JU	13.63	10	Nat 1625DE	25	300	Drilling
Neddrill/Neddrill 3	JU	13.63	10	Emsco C3	20	210	Drilling
Neddrill/Neddrill 4	JU	13.63	10	Emsco C3	20	185	Drilling
Penrod Drlg/64	JU	13.63	10	Nat 1625DE	30	210	Drilling
Penrod Drlg/67	JU	13.63	10	Nat 1625DE	30	210	Drilling
Penrod Drlg/80	JU	13.63	10	Nat UE	30	210	Drilling
Penrod Drlg/81	JU	13.63	10	Nat 1320UE	25	210	Drilling
Penrod Drlg/85	JU	13.63	10	Nat 1320UE	25	250	Drilling
Reading & Bates/F G McClintock	JU	20.00	10	Otwl E3000	25	300	Drilling
Reading & Bates/Ron Tappmeyer	JU	13.63	10	Otwl E3000	20	300	Drilling
Rowan Co/Rowan Halifax	JU	13.63	10	Nat 1625UE	25	300	Drilling
Transocean Drlg/Transocean 1	JU	11.00	10	Emsco A1500E	20	140	Drilling
Transocean Drlg/Transocean 4	JU	13.63	10	Nat 1320UE	25	160	Drilling
Zapata Offshore/Nordic (19)	JU	13.63	10	Emsco C3 Type II	20	300	Drilling
NORWAY							
Dyvi Offshore AS/Dyvi Beta	JU	13.63	10	Nat 1320UE	20	350	Drilling
Dyvi Offshore AS/Dyvi Delta	SS	18.75	10	Otwl E3000	25	1500	Drilling
Dyvi Offshore AS/Dyvi Stena	SS	18.75	15	Emsco C3	25	200	Drilling
Global Marine Drlg/Moray Firth I	JU	13.63	15	Nat 1625DE	25	300	Drilling
Golar-Nor Offshore AS/Nortrym	SS	18.75	10	Nat 1625DE	25/5"	1250	Drilling
Intl Chandlers/Sedco SPSS	SS					1500	Support
Morco AS/7/11 COD-46	P	13.63	5	Idco E2100			Drilling
Morco AS/1/6 Alpha-04	P	13.63	10	Nat 1320UE	20		Drilling
Morco AS/2/4 Alpha-44	P	13.63	5	Emsco A1500E			Drilling
Morco AS/2/4 Bravo-43	P	13.63	5	Emsco A1500E			Drilling
Morco AS/2/4 Delta-45	P	13.63	5	Emsco C2			Drilling
Morco AS/2/4 E Tor-47	P	13.63	5	Emsco C3			Drilling
Morco AS/2/7 Alpha-32	P	13.63	5	Nat 110UE			Drilling
Morco AS/2/7 Bravo-49	P	13.63	5	MC U1220EB			Drilling
Morco AS/2/4 Charlie-42	P	13.63	5	Otwl 940E			Drilling
Morco AS/2/4 Foxtrott-03	P	13.63	10	Nat 1320UE			Drilling
Neddrill/Neddrill Trigon	JU	13.63	15	Nat 1625DE	25	360	Drilling
Odfjell Drlg & Consulting/Deepsea Bergen	SS	18.75	10	Nat 1625DE	30	1500	Completion
Odfjell Drlg & Consulting/101	P	13.63	5	Nat 1320UE	20	475	Drilling
Ross Drlg/Ross Isle	SS	18.75	10	Otwl E3000	25	1500	Drilling
Smedvig Drlg/West Vanguard	SS	18.75	10	Emsco 3000	25	1500	Drilling
Smedvig Drlg/West Venture	SS	18.75	10	Emsco 3C	25	1200	Drilling
Wilh Wilhelmsen/Treasure Hunter	T						Tender Support
Wilh Wilhelmsen/Treasure Saga	SS				25	1500	Drilling
Wilh Wilhelmsen/Treasure Scout	SS			MC U1220EB	25	1500	Drilling
Wilh Wilhelmsen/Treasure Seeker SS	SS		15	Emsco C3 Type II	25	1250	Drilling
Wilh Wilhelmsen/Treasure Supporter	T					600	Accom
PORTUGAL							
Neddrill/Neddrill 2							Drilling
Sea Drlg Netherlands/Sednath I	SS	18.75	5	Otwl E3000	20	600	Stacked
Sedco Inc/Sedco 150	JU	13.63	5	Emsco A800RE	10	150	Stacked
Sedco Inc/Sedco 252	JU	13.63	10	Otwl E2000	20	250	Stacked
Sedco Inc/Sedco 253	JU	13.63	10	Emsco C2	20	250	Stacked
SPAIN							
Foramer/Petrel	DS	18.75	10	Nat 1625DE	25	2500	Drilling
Jebsens Drlg/Ali Baba	SS	18.75	10	Nat 1625DE	25	1000	Drilling
KCA Drlg/Polly Bristol	DS	18.75	10	Nat 1625DE	25	4500	Drilling
Ocean Drlg & Expl/Ocean Voyager	SS	18.75	10	Emsco C3 Type II	25	1250	Drilling
Ocean Drlg Serv/Sedco 601	SS	18.75	10	Emsco C2	20	1500	Maintenance

EUROPE (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Size (ID) • Type •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	4½" - in. Pipe, 1000 ft. • Rated Depth With	Rated Water Depth •	Status •
UNITED KINGDOM						
Atlantic Drlg/Bendoran	SS 21.25	2	Nat 1625DE	25/5"	680	Drilling
Atlantic Drlg/Benreoch	SS 18.75	15	Nat 1625DE	25/5"	1500	Drilling
Atlantic Drlg/Benvrackie	SS 21.25	2	Nat 1625DE	25/5"	660	Drilling
Atlantic Drlg/Ocean Benloyal	SS 13.63	10	Nat 1625DE	25/5"	660	Drilling
Bawden Drlg/32	P 10.00	3	Oilwell 700	9		Drilling
Bawden Drlg/34	P 13.63	5	Nat 1320UE	22		Drilling
Bawden Drlg/35	P 16.63	5	Nat 1320UE	20		Drilling
Bawden Drlg/39	P 13.63	5	Nat 1320UE	22		Drilling
Bawden Drlg/40	P 13.63	5	Nat 1320UE	20		Drilling
Bawden Drlg/41	P 13.63	5	Nat 1320UE	20		Drilling
Bawden Drlg/42	P 13.63	5	Nat 1320UE	22/5"		Drilling
Bawden Drlg/43						Drilling
Bawden Drlg/44						Drilling
Bawden Drlg/45						Workover
Bawden Drlg/46						Workover
British Gas Corp/Morcambe Flame	JU 13.63	5	Nat 80UE		150	Drilling
Deutsche Tiefbohr/T-20	P 13.63	10	Nat 1320UE	18	480	Workover
Deutsche Tiefbohr/T-21	P 13.63	10	Nat 1320UE	18	480	Drilling
Deutsche Tiefbohr/T-25	P 13.63	10	Nat 1320UE	18	510	Drilling
Dixilyn-Field Drlg/DF96	SS 18.75	10	Nat 1625DE	25	1200	Stacked
Dixilyn-Field Drlg/DF97	SS 18.75	10	Emsco C1112	25	1200	Drilling
Dyvi Offshore AS/Dyvi Gamma	JU 13.63	10	Nat 1320UE	20	350	Accom
Dyvi Offshore AS/Dyvi Omega	SS 18.75	10	Oilwell E3000	25	1500	Drilling
Dyvi Offshore AS/Dyvi Sigma	JU 13.63	10	Nat 1320UE	20	210	Drilling
Forex Neptune and/or Affil/Drill Star	SS 18.75	15	Nat 1625DE	25	1500	Drilling
Forex Neptune and/or Affil/Pentagone 84	SS 13.63	10	G-D 3000E	25	1050	Drilling
Forex Neptune and/or Affil/Trident X	JU 21.25	2	Nat 1625DE	25	300	Drilling
Forex Neptune and/or Affil/Trident XI	JU 21.25	2	Nat 1625DE	25	300	Drilling
Global Marine Drlg/Glomar Biscay II	SS 18.75	10	Nat 1625DE	25	600	Drilling
Houlder Marine Drlg/Bay Driller	JU 18.63	5	Nat 80UE	10	200	Accom
Houlder Marine Drlg/High Seas Driller	SS 18.75	15	Nat 1625E	25/5"	1500	Drilling
Houlder Marine Drlg/Shelf Driller	JU 13.63	10	Nat 1625E	25/5"	300	Drilling
Jebsens Drlg/Aladdin	SS 21.25	2	Oilwell E3000	25	600	Drilling
Jebsens Drlg/Sinbad Saxon	SS 13.63	10	Oilwell E3000	25	600	Drilling
Kingsnorth Marine/Dundee Kingsnorth	SS 18.75	10	Nat 1625DE	24		Drilling
Kingsnorth Marine/Kingsnorth UK	SS 18.75	10	Nat 1625DE	24		Drilling
KCA Drlg/51	P 13.63	5	Nat 1320UE	20		Drilling
KCA Drlg/52	P 13.63	5	Nat 1320UE	20		Drilling
KCA Drlg/53	P 13.63	5	Nat 1320UE	20		Drilling
Loffland Bros/43	P 13.63	10	Idco E3000	20		Drilling
Loffland Bros/81	P 13.63	5	MC U1220EB	20		Drilling
Loffland Bros/82	P 13.63	5	MC U1220EB	20		Drilling
Loffland Bros/83	P 13.63	5	MC U1220EB	20		Drilling
Loffland Bros/84	P 13.63	5	MC U1220EB	20		Drilling
Ocean Drlg & Expl/Benloyal	SS 13.63	10	Nat 1625		1100	Drilling
Ocean Drlg & Expl/Ocean Bounty	SS 18.75	10	Emsco C3 Type II	25	1200	Drilling
Ocean Drlg & Expl/Ocean Kokuei	SS 13.63	10	Emsco C3 Type II	25	600	Drilling
Ocean Drlg & Expl/Ocean Liberator	SS 18.75	10	Nat 1625DE	25	1000	Drilling
Ocean Drlg & Expl/Ocean Nomad	SS 18.75	10	Nat 1625	25	1200	Drilling
Ocean Drlg & Expl/Ocean Victory	SS 13.63	10	Emsco C3 Type II	25	600	Stacked
Odfjell Drlg & Consulting/Deepsea Pioneer	SS 18.75	10	Nat 1625DE	30	1500	Production
Penrod Drlg/92	JU 13.63	10	Nat 1320UE	25	220	Drilling
Reading & Bates/M G Hulme Jr	SS 18.75	10	Nat 1625	25	1500	Drilling
Rowan Co/Gorilla II	JU 13.63	10	Nat 1625UE	25	328	Stacked
Rowan Co/Rowan California	JU 13.63	10	Nat 1625UE	25	300	Drilling
Rowan Intl/Arch Rowan	JU 13.63	10	Nat 1625	25	300	Drilling
Rowan Intl/Cecil Provine	JU 13.63	10	Nat 1625	25	300	Drilling
Rowan Intl/Charles Rowan	JU 13.63	10	Nat 1625	25	300	Drilling
Rowan Intl/Gilbert Rowe	JU 13.63	10	Nat 1625	25	300	Drilling
Santa Fe Drlg/Britannia	JU 20.00	10	Nat 1320DE	20	160	Drilling
Santa Fe Drlg/82	P 20.00	5	Nat 1320UE	20		Drilling
Santa Fe Drlg/111	P 21.75	5	Oilwell 3000E	20		Drilling
Santa Fe Drlg/135	SS 18.75	15	Oilwell E3000	25	1500	Drilling
Santa Fe Drlg/140	SS 18.75	15	Oilwell E3000	25	1500	Drilling
Sea Drlg Netherlands/Sedneth 701	SS 18.75	15	Oilwell E3000	25	2000	Drilling
Sedco Inc/Sedco 711	SS 13.63	15	Oilwell E3000	25	1500	Drilling
Sedco Inc/Sedco 714	SS 18.75	15	Oilwell E3000	25	1500	Drilling
Sonat Interocean Drlg SA/Interocean II	JU 13.63	10	Emsco C2	20	307	Drilling
Sonat Offshore Drlg/Chris Chenery	SS 18.75	10	Nat 1625DE	20	600	Drilling
Southeastern Drlg Serv/Sedco 700	SS 21.25	10	Oilwell E3000	25	1500	Drilling
Southeastern Drlg Serv/Sedco 703	SS 18.75	10	Oilwell 3000	25	2000	Drilling
Southeastern Drlg Serv/Sedco 707	SS 21.25	2	Oilwell E3000	25	2000	Drilling
Transocean Drlg/Transocean 6	JU 13.63	10	Emsco C3 Type II	20	300	Drilling
Transworld Drlg/58	SS		Emsco C3000	25	600	Production
Western Oceanic/Apollo I	JU 13.63	10	Emsco C3	20	300	Drilling
Western Oceanic/Apollo II	JU 13.58	10	Emsco C3	20	300	Drilling
Western Oceanic/Western Pacesetter I	SS 18.75		Nat 1625DE	25	600	Drilling
Western Oceanic/Western Pacesetter II	SS 18.75	10	Nat 1625DE	25	1200	Drilling
Western Oceanic/Western Pacesetter IV	SS 18.75	10	Emsco C3 Type II	25	1500	Drilling
Wilh Wilhelmsen/Treasure Finder	T				1000	Accom
Wilh Wilhelmsen/Treasure Swan	SS				2500	Drilling
WEST GERMANY						
Deutsche Tiefbohr/T-24	P 13.63	10	Nat 90BUE	13		Stacked
Transocean Drlg/Transocean 2	JU 13.63	10	Nat 1625DE	20	150	Stacked
Transocean Drlg/Transocean 7	JU 13.63	10	Emsco C3 Type II	25	300	Stacked

MIDDLE EAST

Contractor And • Rig Name or No.	BOP Stack Size (ID) • Type •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	4½" - in. Pipe, 1000 ft. • Rated Depth With	Rated Water Depth •	Status •
QATAR						
Forex Neptune and/or Affil/Trident VI	JU 13.63	10	G-D 1500E	18	300	Drilling
Santa Fe Drlg/103	JU 20.00	5	Emsco C2	20	250	Drilling

MIDDLE EAST (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Size (ID) • Type •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	4½" - in. Pipe, 1000 ft. • Rated Depth With	Rated Water Depth •	Status •
SAUDI ARABIA						
Arabian Drlg/Arabdrill 11						Workover
Arabian Drlg/Arabdrill 8	JU 13.63	5	Nat 110UE	20	150	Drilling
Loffland Bros/Ocean Master V	JU		MC U914EC	18	160	Drilling
Loffland Bros/Ocean Master VI	JU		MC U914EC	18	160	Drilling
Loffland Bros/Ocean Master VII	JU		MC U914EC	18	160	Drilling
Loffland Bros/Ocean Master VIII	JU		MC U914EC	18	160	Drilling
Loffland Bros/Oceanmaster III	JU 13.66	3	MC U712A	14	160	Stacked
Loffland Bros/Orville Fisher	P 13.63	5	MC U914C	18	160	Stacked
Maersk Drlg/Maersk Venturer	JU 13.63	10	Oilwell E2000	20	300	Drilling
Maersk Drlg/Maersk Voyager	JU 13.63	10	Oilwell E2000	20	300	Drilling
Pool Arabia/142	JU 13.63	5	Nat 80B	12	150	Stacked
Pool Arabia/143	JU 10.00	5	OMC 1000	12.5	160	Stacked
Pool Arabia/144	JU 13.63	5	OMC 1000E	10	160	Stacked
Pool Arabia/145	JU 13.63	5	Idco ED1200	13	160	Drilling
UNITED ARAB EMIRATES						
Atwood Oceanics Pacific/Bull Run	T 13.63	5	Nat 1320UE	20/5"	400	Drilling
Foramer/Ile de France	JU 13.63	5	Nat 1625DE	25	200	Drilling
Foramer/Tourmalines	JU 10.00	5	Nat 80B	12	150	Stacked
Forex Neptune and/or Affil/Trident III	JU 13.63	5	G-D 2100E	20	300	Drilling
Forex Neptune and/or Affil/Trident V	JU 10.00	5	Idco E900	10	150	Stacked
Japan Drlg/Hakuryu VI	JU 13.63	5	Nat 1320UE	23.5	180	Drilling
Japan Drlg/Hakuryu VII	JU 13.63	10	Nat 1320UE	23.5	188	Drilling
Japan Drlg/Hakuryu 8	JU 13.63	10	Nat 1320UE	23.5	188	Drilling
Loffland Bros/Ocean Master IV	JU 13.66	3	MC U914	18	110	Drilling
Maersk Drlg/Maersk Vanguard	JU 13.63	10	Oilwell E2000	20	300	Drilling
Maersk Drlg/Maersk Victory	JU 13.63	10	Oilwell E2000	20	300	Drilling
National Drlg/Al Ghallan	JU 13.63	5	Nat 1320UE	20	120	Under Repair
National Drlg/Al Ittihad	JU 13.63	10	Nat 1320UE	20	150	Drilling
National Drlg/Al Yasat	JU 13.63	5	Nat 1320UE	20	170	Drilling
National Drlg/Diyina	JU 13.63	5	Nat 1320UE	20	170	Drilling
National Drlg/Junana	JU 13.63	10	Nat 1320UE	20	142	Drilling
National Drlg/Yamillah	JU 13.63	10	Nat 1320UE	20/5"	220	Drilling
Ocean Drlg Serv/Sedco 160	JU 13.63	10	Emsco C2	25	160	Drilling
Ocean Drlg Serv/Sedco 75	JU 13.63	5	Oilwell 96	18	130	Drilling
Ocean Drlg Serv/Sedneth II	JU 13.63	10	Oilwell 3000E	25	200	Drilling
Ocean Drlg Serv/Sedneth 201	JU 13.63	10	Emsco C2	25	200	Drilling
Ocean Drlg Serv/Sedneth 202	JU 13.63	10	Emsco C2	25	200	Drilling
Penrod Drlg/56	JU 13.63	10	Nat 1625DE	30	150	Stacked
Penrod Drlg/57	JU 13.63	10	Nat 1625DE	30	150	Stacked
Reading & Bates/W T Adams	JU 13.63	10	Nat 1525E	25	300	Drilling
Sedco Inc/Sedco 160	JU			20	160	Drilling
Sonat Offshore Drlg/Enterprise	JU 18.63	2	Nat 130		120	Maintenance
Sonat Offshore Drlg/Hustler	JU 12.00	5	Emsco A550	10	90	Drilling
Sonat Offshore Drlg/Jubilee	JU 13.63	5	Emsco A1500E	20	225	Stacked
Sonat Offshore Drlg/North Star	JU 13.63	5	Nat 1320DE	20	200	Stacked
Sonat Offshore Drlg/Offshore Antares	JU 13.38	5	Nat 130	15	115	Drilling
Sonat Offshore Drlg/Offshore Bahram	JU 13.63	5	Idco ED1200	20	200	Stacked
Sonat Offshore Drlg/Offshore Jupiter	JU 13.63	5	Emsco C1 Type II	18	130	Drilling
Transocean Drlg/Transocean 5	JU 13.63	10	Nat 1625	25	300	Drilling
Western Oceanic/Apollo III	JU 13.63	10	Emsco C3II	20	300	Drilling
Western Oceanic/Apollo IV	JU 13.63	10	Emsco C350	20	400	Drilling
Zapata Offshore/Bonito II (38)	JU 13.63	10	Nat 1625	25	300	Drilling
Zapata Offshore/Chaparral (9)	JU 13.63	10	Oilwell 3000E	25	240	Stacked
Zapata Offshore/Heron (10)	JU 13.63	10	Nat 1625DE	25	300	Production
Zapata Offshore/Topper II (23)	JU 13.63	5	Nat 110UE	16.5	115	Stacked
Zapata Offshore/33 Soverign	JU 13.63	10	Nat 1320	20	250	Drilling
YEMEN						
Foramer/Nymphea	SS 18.75	10	Nat 1625	25	1500	Drilling

SOUTH AMERICA

Contractor And • Rig Name or No.	BOP Stack Size (ID) • Type •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	4½" - in. Pipe, 1000 ft. • Rated Depth With	Rated Water Depth •	Status •
ARGENTINA						
Reading & Bates/George H Galloway	JU 13.63	10	Nat 1625DE	25	300	Under Construction
Rio Colorado S A/Rio Colorado I	JU 13.63	5	Nat 1320UE	20	300	Stacked
BRAZIL						
Dolphin Titan Intl/141	P 13.63	5	U1220EB	25	300	Drilling
Dolphin Titan Intl/142	PT 13.63	10	Emsco A1500	20	250	Stacked
Foramer/Pelerin	DS 16.75	10	Nat 1625	25	3300	Drilling
JFP Well Serv/JFP Seven	JU 13.63	1	Oilwell E2000	25/5"	300	Drilling
Keydril/Key West	JU 13.63	10	Emsco C3 Type 2	30	350	Drilling
Maersk Drlg/Maersk Pioneer	SS 18.75	10	Emsco C2 Type II	20	600	Drilling
Marlin Drlg/Marlin 14	JU 13.63	1	Nat 1625DE	25	150	Drilling
Montreal Engenharia/Montreal III	JU 13.38	10	Nat 1320UE	21	250	Drilling
Montreal Engenharia/Montreal IV	JU 13.38	10	Nat 1625DE	25	300	Drilling
Ocean Drlg & Expl/Ocean Cyclone	DS 16.75	5	Nat 1625	25	600	Drilling
Ocean Drlg & Expl/Ocean Zephyr	SS 21.25	10	Emsco C3 Type II	25	600	Drilling
Ocean Drlg & Expl/Zephyr II	SS 21.25	10	Nat 1623	25	600	Drilling
Odebrecht Perfuracoes/Itapoa	T				25	Drilling
Odebrecht Perfuracoes/Norbe I	JU 13.63	10	Nat 1320UE	25	300	Drilling
Odebrecht Perfuracoes/Plata	T				25	Drilling
Penrod Drlg/62	JU 13.63	10	Nat 1625DE	30	330	Production
Penrod Drlg/71	SS 13.63	10	Nat 1625	30	1000	Production
Sedco Inc/Sedco 135F	SS 13.63	10	Oilwell E3000	25	600	Production
Sedco Intl SA/Sedco 135D	SS 18.75	5	Oilwell 3000E	25	800	Production
Sedco Maritima/Stafio	SS 13.63	5	Nat 1625DE	20	600	Production
Sonat Interocean Drlg SA/Interocean Discoverer	DS 18.75	10	Emsco C2 Type II	20	1500	Drilling
Sonat Offshore Drlg/Orion	JU 13.63	10	Nat 1320DE	20	275	Production
Transworld Drlg/61	SS 13.63	10	Emsco A1500E	20	600	Production
Triangle Drlg/Norbe II	JU 13.63	10	Oilwell 3000E	25	300	Drilling
Triangle Drlg/Norbe III	JU 13.63	10	Nat 1625UE	25	290	Drilling
Tropic Shipping Ent/DS Tainaron	DS 18.75	10	Nat 1320UE	30	1000	Drilling

Contractor And • Rig Name or No.	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth, •	Status •
SOUTH AMERICA (Cont'd)						
CHILE						
Diamond M/Magellanes	JU 13.63	5	Oilwell E2000	20	150	Drilling
Diamond M/Nugget	JU 13.63	5	Oilwell E3000	30	300	Drilling
TRINIDAD & TOBAGO						
Dolphin Titan Intl/130	P 13.63	10	G-D 2100E	25		Drilling
Pool Santana/418	P 10.00	5	OIME	6		Drilling
Santa Fe Drlg/Bluewater No 3	SS 18.75	10	Nat 1625DE	25	600	Stacked
Skinner Marine/Skinner I	P 13.63	10	Oilwell E2000	20	195	Stacked
Skinner Marine/Skinner IV	P 13.63	5	Oilwell 840E	16	185	Stacked
Skinner Marine/Skinner V	P 13.63	5	Oilwell 780E	12		Stacked
Skinner Marine/Skinner VI	P 13.63	5	Oilwell 780E	12	185	Drilling
Skinner Marine/Skinner VII	P 13.63	5	Oilwell 840E	16	88	Drilling
Skinner Marine/7	7.06	3	Idco H20	3.5		Stacked
Skinner Marine/14	7.06	3	Idco H25	4		Stacked
Well Services/6	P 13.63	6	Nat 80B	12		Stacked
Well Services/7	P 13.63	6	S/B 4210	8		Stacked
VENEZUELA						
Loffland Bros/R-71	B		Idco H25			Drilling
Loffland Bros/V-101	B 6.00	5	Idco 711	10		Stacked
Loffland Bros/V-105	B 10.00	5	MC U914B	18		Drilling
Loffland Bros/V-114	B 10.00	5	MC U914C	18		Drilling
Santa Fe Drlg/Orinoco I	B 21.25	10	Oilwell E2000	20	20	Stacked
Santa Fe Drlg/Reina Del Lago	B 12.00	3	Nat 80E	14	100	Drilling
Santa Fe Drlg/Rey Del Lago	B 12.00	3	Nat 80E	14	100	Drilling
UNITED STATES						
ALABAMA-UNDESIGNATED						
Global Marine Drlg/Glomar High Island IV	JU 13.63	10	Nat 1320UE	20	250	Drilling
ALABAMA-MOBILE BAY						
Atwood Oceanics Pacific/Vicksburg	JU 13.63	10	Ensco C2	20/5"	300	Drilling
Chiles Drlg/Seabee	JU 13.63	10	Nat 1625DE	25	250	Drilling
Penrod Drlg/94	JU 13.63	10	Nat 1320UE	25	250	Drilling
Penrod Drlg/203	S 13.63	10	Nat 1320UE	25		Drilling
ALASKA-UNDESIGNATED						
Ocean Drlg & Expl/Ocean Odyssey	SS 18.75	15	Emsco C3		1500	Drilling
Parker Drlg/217						
Rowan Co/Rowan Middletown	JU 13.63	10	Nat 1625		300	Stacked
Sedco Inc/Sedco 712	SS 18.75	10	Otwl E3000	25	1500	Drilling
Sedco Maritime/Sedco 708	SS 18.75	10	Otwl E3000	25	2000	Drilling
ALASKA-SEWARD						
Keydril/Key Hawaii	JU 13.63	10	Nat 1625DE	25	300	Stacked
CALIFORNIA-UNDESIGNATED						
Diamond M/Eagle	SS 18.75	10	Otwl E3000	30	2000	Drilling
Diamond M/Falcon	SS 18.75	10	Otwl E3000	30	2000	Drilling
Diamond M/General	SS 18.75	10	Otwl E3000	30	1200	Drilling
Global Marine Drlg/Glomar Atlantic	DS 18.75	10	Nat 1625DE	25	2000	Drilling
Global Marine Drlg/Glomar Pacific	DS 16.75	10	Nat 1625DE	25	2000	Drilling
Global Marine Drlg/Glomar Platform I	P 13.63	5	Nat 110UE	16		Drilling
Global Marine Drlg/Glomar Platform II	P 13.63	5	Nat 110UE	16		Drilling
JFP Well Serv/JFP Eleven	JU 13.38	10	Otwl E2000	30/5"	350	Drilling
JFP Well Serv/JFP Three	JU 13.63	10	Otwl E2000	25	300	Drilling
CALIFORNIA-SAN PEDRO						
Rowan Co/Rowan-Alaska	JU 13.63	10	Nat 1625DE	30	350	Stacked
CALIFORNIA-SANTA BARBARA						
Challenger Drlg/830 EOS			Nat 1320DE	22		Stacked
Keydril/Key Singapore	JU 13.63	10	Nat 1625DE	25	300	Drilling
Penrod Drlg/96	JU 13.63	10	Nat 1320UE	25		Drilling
CALIFORNIA-SANTA BARBARA CHNL						
Western Offshore/XI						Workover
LOUISIANA-UNDESIGNATED						
Atlantic Pacific Marine/Gulf Commander	JU 13.63	5	Emsco A800WE	14	100	Supnort
Atwood Oceanics Pacific/Richmond	S 13.63	10	Nat 1320UE	20/5"	70	Stacked
CRC Mallard/43	P 10.00		Wils 65	14		Workover
CRC Mallard/45	P 10.00		Wils 65	8		Workover
Diamond M/Century	SS 18.75	10	Otwl E3000	30	600	Drilling
Diamond M/Don E McMahon	JU 13.63	10	Otwl E2000	25	100	Drilling
Diamond M/Gem	JU 13.63	10	Otwl E3000	30	300	Drilling
Diamond M/Hunter	SS 18.75	10	Otwl E3000	30	1500	Drilling
Diamond M/New Era	SS 18.75	10	Otwl E3000	30	1200	Drilling
Diamond M/16	B 13.63	10	Idco E2500	25	12	Drilling
Diamond M/44	B 13.63	5	Otwl E3000	25	18	Stacked
Diamond M/45	B 13.63	10	Otwl E3000	25	18	Stacked
Diamond M/46	B 13.63	10	Otwl E3000	30	20	Drilling
Diamond M/47	B 13.63	10	Otwl E3000	30	20	Drilling
Dolphin Titan Intl/102	JU 6.00	5	Idco H35D	15	70	Workover
Dolphin Titan Intl/103	JU 10.00	5	Idco H35D	15	70	Workover
Dolphin Titan Intl/105	JU 10.00	10	Nat 610	20	100	Workover
Dolphin Titan Intl/106	JU 10.00	10	Nat 610	20	100	Stacked
Dolphin Titan Intl/128	P 13.63	10	Emsco C3 Type II	25		Drilling
Dolphin Titan Intl/129	P 13.63	10	Emsco C3 Type II	25		Drilling
Forex Neptune and/or Arfi/Pentagone 82	SS 13.63	10	Emsco C3UE	25	1050	Drilling
Global Marine Drlg/Glomar Coral Sea	DS 18.75	10	Nat 1625DE	25	1500	Drilling
Global Marine Drlg/Glomar High Island I	JU 13.63	10	Nat 1320UE	20	250	Drilling
Global Marine Drlg/Glomar High Island IX	JU 13.63	10	Nat 1320	20	250	Drilling
Global Marine Drlg/Glomar High Island VI	JU 13.63	10	Nat 1320UE	20	250	Drilling

Contractor And • Rig Name or No.	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth, •	Status •
UNITED STATES (Cont'd)						
LOUISIANA-UNDESIGNATED (Cont'd)						
Global Marine Drlg/Glomar High Island VII	JU 13.63	10	Nat 1320UE	20	250	Drilling
Global Marine Drlg/Glomar Main Pass II	JU 13.63	10	Nat 1625DE	25	300	Drilling
Global Marine Drlg/Glomar Main Pass IV	JU 13.63	10	Nat 1625DE	25	300	Drilling
Goldrus Marine Drlg/1	B 13.63	10	Otwl 3000E	30	20	Drilling
Helmerich & Payne Intl Drlg/90	P 13.63	5	Otwl E2000	20		Drilling
Helmerich & Payne Intl Drlg/91	P 13.63	5	Otwl 2000	20		Stacked
Helmerich & Payne Intl Drlg/101	P 13.63	5	Nat 110UE	20		Drilling
Houston Offshore Intl/Sabine III	JU 13.63	10	Nat 1320UE	20	200	Standby
Marine Drlg/J Storm I	JU 13.63	10	Nat 130	20	225	Drilling
Marine Drlg/J Storm IV	JU 13.63	10	Nat 1625M	25	250	Drilling
Marine Drlg/J Storm VII	JU 13.63	10	Nat 1625M	25	377	Drilling
Marine Drlg/J Storm XI	JU 13.63	10	Nat 1320	20	200	Drilling
Marine Drlg/J Storm XVII	JU 13.63	10	Nat 1320M	20	250	Drilling
Martin Drlg/Martin 17						Drilling
Martin Drlg/1	PT 13.63	5	Nat 1320DE	20		Stacked
Martin Drlg/2	P 13.63	5	Nat 1320DE	20		Stacked
Martin Drlg/10	P 11.00	10	Nat 610E	10		Stacked
Noble Drlg/PB-2	B		Otwl E3000	25		Stacked
Noble Drlg/24	P 13.63	10	Nat 1625DE	25		Stacked
Noble Drlg/27	P 13.63	10	G-D 1100E	18		Stacked
Noble Drlg/30	P 13.63	10	G-D 1500E	20		Stacked
Noble Drlg/31	P		Otwl E2000	20		Stacked
Ocean Drlg & Expl/Barge A	S 14.00	5	Idco 2500	25	70	Drilling
Ocean Drlg & Expl/Ben Ocean Lancer	DS 16.75	10	G-D 3000E	25	3000	Drilling
Ocean Drlg & Expl/Gulfrido	JU 13.63	10	Nat 1625DE	25	250	Drilling
Ocean Drlg & Expl/John Hayward	S 10.00	5	Emsco EDA	25	30	Drilling
Ocean Drlg & Expl/Mr Charlie	S 13.63	5	Emsco EDES	25	40	Drilling
Ocean Drlg & Expl/Ocean Conquest	JU 13.63	10	Emsco C2	25	250	Drilling
Ocean Drlg & Expl/Ocean Endeavour	SS 18.75	10	Emsco C3 Type II	25	1000	Drilling
Ocean Drlg & Expl/Ocean Explorer	SS 13.63	5	Emsco EDES	25	600	Stacked
Ocean Drlg & Expl/Ocean King	JU 13.63	10	Nat 1625	25	300	Drilling
Ocean Drlg & Expl/Ocean Patriot	JU 13.63	10	Nat 1320ME	25	152	Drilling
Ocean Drlg & Expl/Ocean Pride	JU 13.63	5	Nat 110	25	152	Drilling
Ocean Drlg & Expl/Ocean Prospector	SS 18.75	10	Emsco C3 Type II	25	1000	Drilling
Ocean Drlg & Expl/Ocean Queen	SS 13.63	5	Emsco A1500	25	1200	Stacked
Ocean Drlg & Expl/Ocean Rover	SS 13.65	10	Emsco C3 Type II	25	600	Drilling
Ocean Drlg & Expl/Ocean Star	JU 13.63	5	Nat 1320UE	25	173	Drilling
Ocean Drlg & Expl/Ocean Tempest	DS 16.75	10	Nat 1625DE	25	600	Stacked
Ocean Drlg & Expl/Ocean Traveler	SS 13.63	10	Nat 1625DE	25	600	Drilling
Ocean Drlg & Expl/Ocean Viking	SS 13.63	10	Emsco A1500	25	600	Drilling
Ocean Drlg & Expl/St Louis	S 13.63	5	Emsco EDES	25	30	Stacked
Pool Offshore/453	P 13.63	5	OIME 1500	16		Stacked
Pool Offshore/454	P 13.63	10	OIME 1500	16		Stacked
Pool Offshore/455	P 13.63	5	OIME 1500	16		Under Construction
Pool Offshore Serv/11	P 2.50	5	Wils Super			Workover
Pool Offshore Serv/16	P 2.50	5	Wils Super			Stacked
Pool Offshore Serv/20	B 2.50	5	Wils Super 38		10	Stacked
Pool Offshore Serv/40	P 4.16	10	Hydra LHD135T			Stacked
Pool Offshore Serv/41	P 4.16	10	Hydra LHD135T			Stacked
Quarles Drlg/23	B 13.63	10	Otwl E3000	30	28	Drilling
Rowan Intl/4	B 13.63	10	Nat 1625DE	30	22	Stacked
Sedco Inc/Sedco 472	DS 16.75	10	Otwl E3000	25	6000	Drilling
Sedco Maritime/Sedco 702	SS 21.25	10	Otwl E3000	25	1200	Drilling
Sonat Offshore Drlg/Discoverer 511	DS 18.75	10	Idco E2100	20	2000	Drilling
Sonat Offshore Drlg/Discoverer 534	DS 16.75	10	Nat 1625DE	20	3000	Drilling
Sonat Offshore Drlg/Discoverer Seven Seas	DS 16.75	10	Emsco C3 Type II	25	7500	Drilling
Sonat Offshore Drlg/Offshore Pegasus	JU 13.38	10	Nat 110	16	125	Drilling
Transworld Drlg/44	S 13.63	5	Idco 1350S	18	40	Drilling
Transworld Drlg/47	S 13.63	10	Emsco A1500E	20	70	Drilling
Transworld Drlg/54	S 13.63	5	Emsco B3661	20	175	Drilling
Transworld Drlg/59	JU 13.63	5	Nat 1320UE	20	125	Drilling
Transworld Drlg/62	JU 13.63	10	Emsco C3 Type II	25	300	Drilling
Transworld Drlg/63	JU 13.63	5	Emsco C3 Type II	25	250	Stacked
Transworld Drlg/64	JU 13.63	10	Otwl E3000	25	300	Drilling
Transworld Drlg/65	S 13.63	10	Emsco C3 Type II	25	70	Drilling
Transworld Drlg/66	S 13.63	10	Emsco C3 Type II	25	100	Drilling
Transworld Drlg/69	S 13.63	10	Otwl E3000	25	100	Drilling
Transworld Drlg/71	JU 13.63	10	Emsco C3 Type II	25	250	Drilling
Transworld Drlg/72	S 13.63	10	Otwl E3000	25	100	Drilling
Transworld Drlg/73	S 13.63	10	Otwl E3000	25	100	Drilling
Zapata Offshore/Louisiana (13)	S 13.63	5	Unit U1220BE	20	50	Drilling
Zapata Offshore/Saratoga (27)	SS		Otwl E3000			Drilling
Zapata Offshore/Whittington (40)	SS 18.75	10	Nat 1625DE	25	1250	Drilling
Zapata Offshore/Zapata Concord (25)	SS 18.75	10	Otwl E3000	25	2000	Drilling
Zapata Offshore/Zapata Neptune (39)	SS 18.75	10	Nat 1625	25	1500	Drilling
Zapata Offshore/Zapata Yorktown (28)	SS 18.75	10	Otwl E3000	25	2000	Drilling
Zapata Offshore/29	P 13.63	10	Otwl E2000	20		Drilling
Zapata Offshore/30	P		MC U1220EB			Stacked
Zapata Offshore/34	P		Idco E3000			Stacked
Zapata Offshore/32 (Heritage)	JU 13.63	10	Nat 1320	20	250	Drilling
LOUISIANA-ASSUMPTION						
CRC Mallard/11	B 6.00	5	Wils 90	12	14	Workover
CRC Mallard/12	B 10.00	5	Wils 90	12	14	Workover
LOUISIANA-BAY MARCHAND						
Penrod Drlg/51	S 13.63	10	Emsco A1550E	25	60	Drilling
LOUISIANA-CAMERON						
Atlantic Pacific Marine/15						Drilling
Broughton Offshore Drlg/Broughton II	JU 13.63	10	Otwl E3000	30	105	Drilling
CRC Mallard/3	B		Nat 55	9		Workover

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
LOUISIANA-CAMERON (Cont'd)							
CRC Mallard/15	B	10.00	5	Wils 90	12	14	Drilling
CRC Mallard/17	B	10.00	5	Wils 90	14	14	Workover
CRC Mallard/19	B	10.00	5	Wils 90	12	14	Drilling
Glendel Drlg/Mr Glen	B	13.63	10	S/B NE12	25	12	Drilling
Houtech Energy/I	JU	11.25	10	G-D 700M	10	73	Drilling
Magnum Marine/Mr Demp	JU	13.63	10	G-D 2100E	25	250	Drilling
Pool Offshore/51	JU	10.00	5	OIME 750	10	80	Stacked
Two R Drlg/Two R-16	B			Emsco C3	25	12	Drilling
LOUISIANA-EAST CAMERON							
Fluor Drlg Serv/Mr Sam	JU	13.63	10	G-D 1500RE	25	155	Drilling
Griffin-Alexander Drlg/IV	JU	13.63	10	MC EB 1220	25	200	Drilling
Keyes Offshore/Keyes 250	JU	13.63	10	Emsco C2	20	250	Drilling
Pool Offshore/452	P	13.63	5	OIME 1500	8		Drilling
Reading & Bates/C E Thornton	JU	13.63	10	Oilwell E3000	25	300	Drilling
Salen Offshore/Salenergy I	JU	13.63	10	MC U1220EB	20	250	Drilling
Service Equipment/10	P	10.00	5	OIME 750	10		Workover
LOUISIANA-EUGENE ISLAND							
Chiles Drlg/Gulfwind	JU	13.63	10	Nat 1320UE	18	150	Drilling
Dixilyn-Field Drlg/77	S	13.63	10	Nat 1625DE	30	95	Stacked
Dixilyn-Field Drlg/80	JU	13.63	10	Nat 1320DE	20	370	Drilling
Dual Drlg/16	P	13.58	5	Nat 1320UE	25		Drilling
Fluor Drlg Serv/Mr Si	JU	13.63	10	Nat 1625DE	30	350	Drilling
Fluor Drlg Serv/63	P	13.63	10	Nat 1320UE	20		Drilling
Griffin-Alexander Drlg/III	JU	13.63	10	MC EB1200	25	250	
Loffland Bros/78	P	13.63	5	MC U1220BE	22		Drilling
Nicklos Drlg/82	P			Oilwell E2000	20		Drilling
Penrod Drlg/81	JU	13.63	10	Emsco C3	30	340	Drilling
Penrod Drlg/83	JU	13.63	10	Nat 1320DE	25	250	Drilling
Penrod Drlg/86	JU	13.63	10	Nat 1320UE	25	250	Drilling
Penrod Drlg/201	S	13.63	10	Nat 1320UE	25		Drilling
Penrod Drlg/202	S	13.63	10	Nat 1320UE	25		Drilling
Phoenix Management/Big Foot Two	JU	10.63	10	G-D 2100E	25	85	Drilling
Pool Offshore/54	JU	13.63	5	Idco E90	12	90	Drilling
Service Equipment/3	P	10.00	5	Cbot 1287	9		Workover
Service Equipment/9	P	10.00	5	OIME 750	11		Drilling
Temple Drlg/Cheyenne	JU	13.63	10	Oilwell E2500	25	200	Drilling
LOUISIANA-GARDEN BANKS							
Penrod Drlg/73	SS			Nat 1625DE	30		Drilling
LOUISIANA-GRAND CANYON							
Penrod Drlg/89	JU	13.63	10	Nat 1320UE	25		Drilling
LOUISIANA-GRAND ISLE							
Chiles Drlg/I	P	13.63	10	Nat 1320UE	20		Drilling
Marlin Drlg/7	SS	13.63	10	Nat 1625DE	30	1000	En Route
Penrod Drlg/63	JU	13.63	10	Nat 1320UE	25	250	Drilling
Pool Offshore Serv/4	P	2.50	5	Wils Super			Workover
Pool Offshore Serv/8	P	2.50	5	Wils Super 38			Workover
Pool Offshore Serv/12	P	2.50	5	Wils Super			Workover
Pool Offshore Serv/15	P	2.50	5	Wils Super 38			Workover
Rowan Co/Rowan Fort Worth	JU	13.63	10	Nat 1625	25	300	Drilling
LOUISIANA-GREEN CANYON							
Penrod Drlg/72	SS	13.63	10	Nat 1625DE	30	300	Drilling
Penrod Drlg/74	SS	13.63	10	Nat 1625DE	30	1700	Drilling
Penrod Drlg/76							Drilling
Penrod Drlg/77							Drilling
Penrod Drlg/78	S	13.63	10	Nat 1625E	25		Drilling
LOUISIANA-HIGH ISLAND							
Penrod Drlg/55	JU	13.63	10	Nat 1625DE	30	150	Drilling
Penrod Drlg/97	JU	13.63	10	Nat 1320DE	250	250	Drilling
Santa Fe Drlg/Blue Water 2	S	13.63	10	Nat 1625DE	25	55	Drilling
Santa Fe Drlg/Blue Water 4	SS	16.75	10	Emsco C3	25	1500	Drilling
LOUISIANA-HORSESHOE BAYOU							
Phoenix Management/The Mr Ray	B	10.63	10	G-D 2100E	30	8.5	Drilling
LOUISIANA-HOUMA							
Service Equipment/21	P	13.63	10	Idco 2100	25		Stacked
LOUISIANA-IBERIA							
Bay Drlg/Matagorda Bay	B	10.00	5	Emsco BL3661	25	14	Drilling
CRC Mallard/33		6.00			8		Stacked
CRC Mallard/34		6.00			10		Stacked
CRC Mallard/44	P	10.00		Wils 65	14		Stacked
CRC Mallard/46		13.63		Wils 65	12.5		Stacked
Goldrus Marine Drlg/4	B	13.63	10	Oilwell 3000E	30	20	Stacked
Loffland Bros/153	B	10.00	5	Beth 1013	15		Stacked
Loffland Bros/154	B	10.00	5	MC U1220	22		Stacked
Penrod Drlg/40	B	13.63	10	Nat 1625DE	30	20	Stacked
Pool Offshore/136	P	13.63	5	Nat 110	16		Drilling
Temple Drlg/Tonkawa	B	13.63	10	Idco E3000	30	20	Drilling
Two R Drlg/Two R-14	B			Wils 250	25	20	Drilling
LOUISIANA-JEFFERSON							
Mayronne/M-142	P	13.63	5	S/B N12	18		Stacked
Pool Offshore/6	P	10.00	5	Nat T45	7		Stacked
Pool Offshore/8	P	10.00	5	Nat T45	6		Stacked
Pool Offshore/11	P	13.63	5	Nat 110H	16		Stacked
Pool Offshore/14	P			Nat T45	6		Stacked
Pool Offshore/423	P	13.63	5	OIME 1000E	12		Stacked
Two R Drlg/Two R-12	B			Nat 1625UE	25	12	Drilling
LOUISIANA-LAFOURCHE							
Bay Drlg/Gibbens	B	10.00	5	Nat 130	18	10	Drilling
Blocker Drlg & Marine/East Bay	B						Stacked
Blocker Drlg & Marine/Grand Bay	B						Stacked

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
LOUISIANA-LAFOURCHE (Cont'd)							
Blocker Drlg & Marine/Terrebonne Bay	B	13.63	5	OIME SL9E	20	12	Stacked
Blocker Drlg & Marine/West Bay	B						Stacked
Booker Drlg/11	P	10.00	5	G-D 3000			Stacked
Booker Drlg/15	P	10.00	5	G-D 3000			Stacked
Booker Drlg/50	P	10.00	5	G-D 500			Stacked
Booker Drlg/60	P	10.00	5	G-D 500			Stacked
Booker Drlg/70	P	10.00	5	G-D 500			Stacked
Booker Drlg/90	P	6.00	5	G-D 500			Stacked
Booker Drlg/100	P	6.00	5	G-D 500			Stacked
Booker Drlg/110	P	10.00	5	G-D 500			Stacked
Booker Drlg/120	P	10.00	5	G-D 500			Stacked
Booker Drlg/150	P	10.00	5	G-D 500			Stacked
CRC Mallard/1	B			Wils 90	9		Workover
CRC Mallard/14	B	6.00	5	Wils 90	12	14	Workover
CRC Mallard/16	B	10.00	5	Wils 90	12	14	Workover
Glendel Drlg/Mr A W	B	13.63	10	S/B NE12	25	12	Stacked
Glendel Drlg/Mr Beldon	B	13.63	10	S/B NE12	25	20	Drilling
Houtech Energy/II	JU	11.25	10	G-D 700M	10	73	Drilling
Mayronne/M-162	P	13.63	10	Nat 1320UE	20		Stacked
Noble Drlg/Barge 4	B			Nat 1605	25		Drilling
Pool Offshore/2	P	10	5	Nat T45	7		Drilling
Pool Offshore Serv/5	B	6.00	3	Wils Mogul 42		10	Workover
Pool Offshore Serv/18	B	7.06	5	Wils Mogul 42	8	12	Workover
Quarles Drlg/22	B	11.00	10	Oilwell E3000	30	23	Drilling
Rebstock Drlg/Rig No 5	B	13.63	5	Nat 1320	20	24	Stacked
Rebstock Drlg/2	B	10.00	5	Nat N80	14	12	Stacked
Rebstock Drlg/3	B	10.00	5	G-D 800	13	12	Stacked
Rebstock Drlg/4	B	13.63	5	Oilwell 860	18	12	Stacked
Temple Drlg/Tejas	B	13.63	10	Idco E3000	30	18	Drilling
Two R Drlg/Two R-15	B			Emsco C3	25	10	Drilling
LOUISIANA-MAIN PASS							
Booker Drlg/Rig No 170	P	10.00	5	G-D 500			Workover
Booker Drlg/30	P	6.00	5	G-D 500			Workover
Booker Drlg/130	P	10.00	5	G-D 500			Workover
Booker Drlg/140	P	6.00	5	G-D 500			Workover
Booker Drlg/951	P	10.00	5	G-D 1000	8		Drilling
Fluor Drlg Serv/Mr Mel	JU	13.63	10	Nat C1625DE	30	350	Drilling
Huthnance Drlg/Vanguard II	JU	13.63	10	Emsco U1220EB	25	300	Drilling
Huthnance Drlg/12	P	13.63	10	MC U1220	25		Drilling
Keyes Offshore/Keyes 301	JU	13.63	10	Emsco C2	20	300	Drilling
Noble Drlg/26	P	13.63	10	Nat 1320UE	20		Drilling
Penrod Drlg/91	JU	13.63	10	Nat 1320UE	25		Drilling
Reading & Bates/Randolph Yost	JU	13.63	10	Oilwell E3000	20	300	Drilling
Service Equipment/14	P	13.63	5	Idco E900	14		Drilling
Teledyne Movible Offshore/2	S	13.63	5	Nat 1625DE	25	70	Drilling
Teledyne Movible Offshore/17	JU	13.63	10	Emsco C3 Type 2	25	250	Drilling
Temple Drlg/Apache	JU	13.63	10	Oilwell E3000	25	55	Drilling
LOUISIANA-MAJESTIC BAYOU							
Penrod Drlg/48	B	13.63	10	Nat 1625DE	30	20	Workover
LOUISIANA-MISSISSIPPI CANYON							
Dual Drlg/25	P	13.63	10	Oilwell E3000	25		Drilling
Dual Drlg/29	P	13.63	10	Emsco C3	30		Drilling
Dual Drlg/40							Drilling
Penrod Drlg/75	SS	13.63	10	Nat 1625DE	30	2000	Drilling
Western Oceanic/Alaskan Star	SS	16.75	10	Emsco C3	25	1500	Drilling
Western Oceanic/Western Pacesetter III	SS	18.75	10	Emsco C311	25	1200	Drilling
LOUISIANA-MORGAN CITY							
Penrod Drlg/31	P	13.63	10	Nat 110UE	16.5	300	Stacked
Penrod Drlg/32	P	13.63	10	Nat 1320UE	25	250	Stacked
Penrod Drlg/34	P	13.63	10	Nat 110UE	16.5	300	Stacked
Penrod Drlg/35	P	13.63	10	Nat 1320UE	16.5	300	Stacked
Penrod Drlg/37	P	13.63	10	Emsco C2	25	300	Stacked
Penrod Drlg/38	P	13.63	10	Nat 1320UE	25	300	Stacked
LOUISIANA-PLAQUEMINES							
Atlantic Pacific Marine/7	B	13.63	10	Oilwell 2000	25	20	Drilling
Atlantic Pacific Marine/8	B	13.63	10	Oilwell 2000	25	20	Drilling
Atlantic Pacific Marine/10	B	13.63	10	Oilwell E2000	25	20	Drilling
Atlantic Pacific Marine/16							Drilling
Atlantic Pacific Marine/17							Drilling
Bay Drlg/Hebert	B	10.00	5	Emsco BL1013	16.5	10	Stacked
CRC Mallard/5	B			Nat 80B	11		Workover
Glendel Drlg/Mr Carl	B	13.63	10	S/B NE12	25	12	En Route
Glendel Drlg/Mr George	B	13.63	10	G-D 3000	30	25	Stacked
Harris Well Serv/16	B	7.16	5	MC U36A	10	12	Drilling
Noble Drlg/Barge 3	B			Nat 1320UE	20		Drilling
Penrod Drlg/45	B	13.63	10	Nat 1625DE	30	20	Drilling
Pool Offshore/50	JU	10.00	5	OIME 750	10	80	Drilling
Pool Offshore Serv/14	B	6.00		Wils Super 38			Workover
Quarles Drlg/18	B	11.00	10	G-D 800E	14	10	Stacked
Quarles Drlg/20	B	11.00	10	Idco E3000	25	18	Stacked
Quarles Drlg/21	B	13.63	10	Oilwell 940E	20	30	Drilling
Shank Drlg/4	B			Emsco C3	30	12	Drilling
Two R Drlg/Two R-18	B			Emsco C3	25	12	Drilling
Two R Drlg/Two R-21	B			Emsco C3	25	12	Drilling
LOUISIANA-SABINE PASS							
Houston Offshore Intl/Sabine I	JU	13.63	10	Nat 1320UE	20	200	Drilling
Santa Fe Drlg/Choctaw I	SS	18.75	10	Nat 1320UE	20	800	Stacked
Santa Fe Drlg/Mariner 3	SS	16.75	10	Oilwell E2000	20	600	Stacked
LOUISIANA-SHIP SHOAL							
Booker Drlg/14	P	10.00	5	G-D 3000			Workover
Booker Drlg/80	P	10.00	5	G-D 500			Workover
Chiles Drlg/Yucatan	JU	13.63	10	Nat 1625DE	25	300	Drilling
Keydril/Aleutian Key	SS	18.75	10	Oilwell E3000	30	3000	Drilling
Keyes Offshore/Keyes 150	JU	13.63	10	Emsco C1	16	150	Drilling

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
LOUISIANA-SHIP SHOAL (Cont'd)						
Marlin Drig/6	JU 13.63	10	Nat 1625DE	30	300	Drilling
Noble Drig/S-55	SS 13.63	10	Nat 1625DE	25	80	Drilling
Penrod Drig/53	JU 13.63	10	Nat 1625DE	30	300	Drilling
Penrod Drig/70	SS 13.63	10	Nat 1625DE	30		Drilling
Phoenix Management/Big Foot One	JU 10.63	10	G-D 2100E	25	85	Drilling
Pool Offshore/3	P		Nat T45	6		Drilling
Teledyne Movible Offshore/20	JU 13.63	10	Emsco C3 Type 2	25	250	Drilling
LOUISIANA-SOUTH MARSH ISLAND						
Chiles Drig/II	P 13.63	10	Nat 1320UE	20		Drilling
Cliffs Drig/Cliffs Marquette	JU 13.63	10	Nat 1320UE	25	190	Drilling
Griffin-Alexander Drig/II	JU 13.63	10	MC EB1200	25	200	
Keyes Offshore/Keyes 300	JU 13.63	10	Emsco C2	20	250	Drilling
Pool Offshore/140	P					Drilling
LOUISIANA-SOUTH PASS						
Bokenkamp Drig/2	P 13.63	10	Oilwell E2000	25		
Booker Drig/952	P 13.63	5	G-D 1000	8		Drilling
Dual Drig/12	P 13.58	10	Emsco C2	25		Drilling
Dual Drig/24	P 13.63	10	Oilwell E2000	25		Drilling
Dual Drig/39	P 13.63	10	Oilwell E3000	30		Drilling
Huthnance Drig/14	P 13.63	10	MC U1220	25		Completion
Mayronne/M-172	P 13.63	10	Nat 1320UE	20		Stacked
Penrod Drig/42	B 13.63	10	Nat 1625DE	30	20	Workover
Pool Offshore/9	P 13.63	5	Nat T45	6		Drilling
Rowan Co/Rowan Midland	SS 13.63	10	Nat 1625	25	600	Drilling
Service Equipment/11	P 11.00	5	Idco E900	14		Drilling
LOUISIANA-SOUTH TIMBALIER						
Marlin Drig/4	JU 13.63	10	Nat 1625DE	25	150	Drilling
Noble Drig/Sam Noble	JU		Oilwell E3000	25		Drilling
Nordrill Intl/Steeler	JU 13.63	10	Emsco C3	25	200	Drilling
Penrod Drig/36	P 13.63	10	Nat 1320UE	30	300	Drilling
Penrod Drig/59	JU 13.63	10	Nat 1625DE	30	220	Drilling
Penrod Drig/66	JU 13.63	10	Nat 1625DE	30	210	Drilling
Penrod Drig/82	JU 13.63	10	Nat 1320DE	25	250	Drilling
Penrod Drig/90	JU 13.63	10	Nat 1320UE	25		Drilling
Rowan Intl/Rowan Anchorage	JU 13.63	5	Nat 1320UE	25	225	Drilling
Service Equipment/5	P 10.00	5	OIME 750	11		Workover
Service Equipment/7	P 10.00	5	OIME 750	11		Workover
Service Equipment/12	P 11.00	5	Idco E900	14		Drilling
LOUISIANA-ST BERNARD						
CRC Mallard/18	B 10.00	5	Wils 90	12	14	Drilling
Two R Drig/Two R-17	B		Emsco CEC3	25	22	Drilling
LOUISIANA-ST MARTIN						
Cliffs Drig/3	B 13.63	10	MC U1220EB	30		Drilling
Quarles Drig/17	B 11.00	10	Nat 160E	25	20	Drilling
Shank Drig/3	B 10.00	5	Beth B3661	25	12	Drilling
LOUISIANA-ST MARY						
Atlantic Pacific Marine/9	B 13.63	10	Oilwell E2000	25	20	Drilling
Atlantic Pacific Marine/11	B 13.63	10	Oilwell E2000	25	13	Drilling
Bay Drig/Mr Harvy	B 10.00	5	Nat 1625M	25	12	Drilling
Bay Drig/St John	B 10.00	5	Nat 1625M	25	11	Drilling
Bay Drig/Terrebonne Bay	B 11.00	5	Nat 1625	25	10	Drilling
Cactus Intl/101	P 13.63	5	Emsco Electrohoist II	25		Stacked
Cactus Intl/102	P 13.63	5	Emsco C2	25		Stacked
Cactus Intl/103	P 13.63	5	Oilwell E2000	25		Stacked
Cactus Intl/104	P 13.63	5	Emsco Electrohoist II	25		Stacked
Cactus Intl/162	P 13.63	5	Emsco A1500	25		Stacked
Cactus Intl/163	P 13.63	5	Emsco Electrohoist II	25		Stacked
Cactus Intl/165	P 13.63	5	Oilwell E2000	25		Stacked
Cliffs Drig/4	B 13.63	10	MC U1220EB	30		Drilling
Dolphin Titan Intl/101	JU 6.00	5	Idco H35D	15	70	Stacked
Dolphin Titan Intl/104	JU 10.00	5	Idco H35D	15	70	Stacked
Dolphin Titan Intl/122	P 13.63	5	Nat 110UE	16		Stacked
Dolphin Titan Intl/123	P 13.63		Idco E1700	20		Stacked
Dolphin Titan Intl/124	P 13.63	5	MC U1220EB	20		Stacked
Dolphin Titan Intl/126	P 13.63	5	MC U1220EB	20		Stacked
Dolphin Titan Intl/127	P 13.63	10	Emsco C3 Type II	25		Stacked
Magnum Marine/R N Haskin	JU 13.63	10	Sup 2000E	25	100	Drilling
LOUISIANA-TERREBONNE						
Atlantic Pacific Marine/Ranger III	JU 10.00	5	G-D DW500R	9	70	Drilling
Atlantic Pacific Marine/Ranger IV	JU 10.00	5	Oilwell 660	9	73	Drilling
Atlantic Pacific Marine/12	B 13.63	5	Oilwell E2000	25	13	Drilling
Atlantic Pacific Marine/14	B 13.62	5	Oilwell E2000	25	13	Drilling
Bay Drig/Caillou	B 11.00	5	Emsco B3661	25	10	Stacked
Cliffs Drig/1	B 13.63	10	MC U1220EB	30	18	Drilling
CRC Mallard/4	B		Nat 80	11		Workover
CRC Mallard/20	B 10.00	5	Wils 90	12	14	Drilling
Houtech Energy/III	JU 11.25	10	G-D 700M	10	73	Drilling
Loffland Bros/4	P 13.63	5	MC U1220BE	22		Stacked
Loffland Bros/17	P 13.63	5	MC U1220BE	22		Stacked
Loffland Bros/74	P 13.63	5	MC U1220BE	22		Stacked
Loffland Bros/75	P 13.63	5	MC U1220BE	22		Stacked
Loffland Bros/76	P 13.63	5	MC U1220BE	22		Stacked
Penrod Drig/41	B 13.63	10	Nat 1625DE	30		Stacked
Penrod Drig/43	B 13.63	10	Nat 1320DE	25	12	Stacked
Penrod Drig/44	B 13.63	10	Nat 1625DE	30	10	Stacked
Penrod Drig/47	B 13.63	10	Emsco A1500E	25	16	Stacked
Penrod Drig/49	B 13.63	10	Nat 1625DE	30	20	Stacked
Shank Drig/2	B 10.00	5	Wils 150-2000	18	10	Drilling
Two R Drig/Two R-1	B		Beth B3661	25	10	Stacked
Two R Drig/Two R-19	B		Emsco C3	25	12	Drilling
Two R Drig/Two R-20	B		Emsco C3	25	12	Drilling
Two R Drig/Two R-22	B		Emsco C3	30	10	Drilling

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - in. Pipe, 1000 ft. •	Rated Water Depth •	Status •
LOUISIANA-VERMILION						
Dixilyn-Field Drig/84	JU 13.63	10	Nat 1320UE	20	250	Drilling
Glandel Drig/Mr Del	B 13.63	10	S/B NE12	25	20	Stacked
Goldrus Marine Drig/2	B 13.63	10	Oilwell 3000E	30	20	Drilling
Goldrus Marine Drig/3	B 13.63	10	Oilwell 3000E	30	20	Drilling
Griffin-Alexander Drig/VI	JU 13.63	10	MC EB1220	25	200	
Huthnance Drig/Acadian Spirit	JU 13.63	10	Emsco C2	25	112	Drilling
Keyes Offshore/Keyes 302	JU 13.63	10	Emsco C2	20	300	Drilling
Keyes Offshore/Keyes 303	JU 13.63	10	Emsco C3	25	300	Drilling
Loffland Bros/143	B 10.00	5	MC [illegible]1220	22		Drilling
Noble Drig/NN-1	JU		G-D [illegible]500	20	12-45	Drilling
Noble Drig/PB-3	B		Nat 1625DE	25		Drilling
Noble Drig/28			G-D 1500E	20		Drilling
Nordrill Intl/Gulfdrill	JU 13.63	10	Emsco C3	25	150	Drilling
Penrod Drig/50	S 13.63	10	Emsco A1500E	25	50	Drilling
Penrod Drig/87	JU 13.63	10	Nat 1320UE	25		Drilling
Pool Offshore/5	P 10.00	5	Nat T45	6		Drilling
Teledyne Movible Offshore/19	JU 13.63	10	Emsco C3 Type 2	25	250	Workover
Two R Drig/Two R-10	B		Nat 1320M	20	10	Drilling
Western Oceanic/Nike I	JU 13.63	10	Nat 1320	20	150	Drilling
LOUISIANA-WEST CAMERON						
Cliffs Drig/Cliffs LaSalle	JU 13.63	10	Nat 1320UE	25		Drilling
Dixilyn-Field Drig/83	JU 13.63	10	Nat 1320UE	20	250	Drilling
Houston Offshore Intl/Sabine IV	JU 13.63	10	Nat 1320UE	20	200	Drilling
Houston Offshore Intl/Sabine V	JU 13.63	10	Nat 1320UE	20	200	Drilling
Huthnance Drig/Charger I	JU 21.25	2	MC U1220EB	25	150	Drilling
Huthnance Drig/Charger II	JU 13.63	10	MC U1220EB	25	150	Drilling
Nordrill Intl/Oiler	JU 13.63	10	Emsco C2	25	200	Drilling
Penrod Drig/54	JU 13.63	10	Nat 1625DE	30	300	Stacked
Penrod Drig/60	JU 13.63	10	Emsco C3	30	330	Drilling
Penrod Drig/65	JU 13.63	10	Emsco C3	30	210	Stacked
Penrod Drig/68	JU 13.63	10	Nat 1625DE	30	330	Drilling
Penrod Drig/98						Drilling
Pool Offshore/53	JU 10.00	5	OIME 750	12	90	Drilling
Pool Offshore Serv/903	P 2.50	5	Wils Super			Drilling
Rowan Intl/Rowan-Houston	13.63	10	Nat 1325UE	25	225	Drilling
Salen Offshore/Salenergy VI						Drilling
Teledyne Movible Offshore/18	JU 13.63	10	Emsco C3 Type II	25	250	Drilling
Temple Drig/Comanche	JU 13.63	10	Oilwell E2000	25	150	Drilling
Western Oceanic/Western Delta	JU 13.63	5	Nat 80UE	15	173	Drilling
LOUISIANA-WEST DELTA						
Bokenkamp Drig/4	P 13.63	10	Oilwell E2000	25		
Booker Drig/6	P 2.50	5	G-D 3000			Workover
Booker Drig/10	P 10.00	5	G-D 3000			Workover
Booker Drig/950	P 13.63	5	G-D 1000	10		Completion
Dixilyn-Field Drig/76	S 13.63	10	S/B N12A	20	80	Drilling
Fluor Drig Serv/Mr Gus II	JU 13.63	5	Nat 160E	25	150	Drilling
Huthnance Drig/15	P 13.63	5	MC U1220	25		Drilling
Keyes Offshore/Keyes 200	JU 13.63	10	Emsco C2	20	200	Drilling
Mayronne/M-152	P 13.63	5	S/B N20	18		Drilling
Pool Offshore/17	P 13.63	5	OIME 1500	18		Drilling
Pool Offshore/80	P 13.63	5	Idco 2000	20		Drilling
Pool Offshore Serv/17	P 2.50	5	Wils Super 38			Workover
Service Equipment/6	P 10.00	5	OIME 750	11		Workover
MISSISSIPPI-UNDESIGNATED						
Transworld Drig/70	S 13.63	10	Oilwell E3000	25	100	Drilling
MISSISSIPPI-PASCAGOULA						
Sedco Undersea Drig/Sedco 471	DS 18.75	10	Oilwell E3000	25	6000	Maintenance
TEXAS-UNDESIGNATED						
Bokenkamp Drig/1	P 13.63	10	Oilwell E2000	25		Stacked
Bokenkamp Drig/3	P 13.63	10	Oilwell E2000	25		Stacked
Diamond M/97	P 13.63	10	Oilwell E2000	20		Stacked
Diamond M/99	JU 13.63	10	Oilwell E3000	30	300	Drilling
Dolphin Titan Intl/125	P 13.63	5	Nat 1320UE	20		Drilling
Helmerich & Payne Intl Drig/100	P 13.63	10	Oilwell E3000	30		Drilling
JFP Well Serv/JFP Five	JU 13.63	10	Oilwell E2000	25/5"	120	Drilling
Marine Drig/J Storm III	JU 13.63	10	Nat 1625M	25	250	Drilling
Marine Drig/J Storm IX	JU 13.63	10	Nat 1320	20	195	Drilling
Marine Drig/J Storm VI	JU 13.63	10	Nat 1625M	25	250	Drilling
Marine Drig/J Storm VIII	JU 13.63	10	Nat 1320	20	150	Drilling
Marine Drig/J Storm X	JU 13.63	10	Nat 1320	20	250	Drilling
Marine Drig/J Storm XII	JU 13.63	10	Nat 1320	20	200	Drilling
Marine Drig/J Storm XIV	JU 13.63	10	Nat 1320	20	200	Drilling
Marine Drig/J Storm XV	JU 13.63	10	Nat 1625M	25	250	Drilling
Marine Drig/J Storm XVI	JU 13.63	10	Nat 1320	20	250	Drilling
Marine Drig/J Storm XVIII	JU 13.63	10	Nat 1320M	25	250	Drilling
Nicklos Drig/83	P		Nat 110UE	16		Stacked
Ocean Drig & Expl/Ocean Champion	JU 13.63	10	Nat 1625DE	25	250	Drilling
Ocean Drig & Expl/Ocean Chief	JU 13.63	5	Emsco A1500	25	224	Drilling
Ocean Drig & Expl/Ocean Driller	SS 13.63	10	Emsco C2	25	600	Drilling
Ocean Drig & Expl/Ocean Leader	JU 13.63	5	Nat 130	25	175	Drilling
Ocean Drig & Expl/Ocean Ruler	JU		Nat 1625	25	250	Drilling
Ocean Drig & Expl/Ocean Scout	SS 13.63	10	Emsco C3 Type II	25	600	Drilling
Pool Offshore/142	P		Wils 75-750	10		Stacked
Pool Offshore/456	P 13.63	5	OIME 1500	18		Stacked
Pool Offshore Serv/22	B 11.00	5	Wils Super Giant	12	12	Drilling
Pool Offshore Serv/24	B 11.00	5	Wils Super Giant	12	12	Drilling
Skinner Marine/Skinmar II	P 13.63	5	Oilwell E2000	20	185	Stacked
Skinner Marine/Skinmar III	P 13.63	5	Oilwell E2000	20	185	Stacked
Transworld Drig/50	JU 13.63	5	Nat 55	12	70	Drilling
Zapata Offshore/Zapata Lexington (26)	SS 18.75	10	Oilwell E3000	25	2000	Under Repair

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID), •	Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - In. Pipe, 1000 ft. •	Rated Water Depth •	Status •
TEXAS-ARANSAS							
Rio Grande Drlg/1	B	13.63	5	Nat 110M	18	14	Stacked
Rio Grande Drlg/4	B	13.63	10	Nat 1320M	25	14	Drilling
TEXAS-BRAZOS							
Broughton Offshore Drlg/Broughton I	JU	13.63	10	Owl E3000	30	105	Drilling
Fluor Drlg Serv/Mr Dave	JU	13.63	10	Nat 1320UE	20	250	Drilling
Fluor Drlg Serv/62	P	13.63	10	Nat 1320UE	20		Drilling
Noble Drlg/29	P	13.63	10	Owl E2000	20		Drilling
Penrod Drlg/84	JU	13.63	10	Nat 1320UE	25	250	Drilling
Rowan Co/Rowan Odessa	JU	13.63	10	Nat 1625	25	300	Drilling
TEXAS-CALHOUN							
CRC Mallard/7	B			Nat 55	11		Workover
Dixilyn-Field Drlg/50	B	10.00	5	Nat 130	20	8	Drilling
TEXAS-CHAMBERS							
Dixilyn-Field Drlg/51	B	10.00	5	Nat 110	18	10	Drilling
MGF Drlg/37	B	6.00	5	G-D 500	9	10	Workover
TEXAS-EAST BREAKS							
Marlin Drlg/5	P	13.63	10	Nat 1320DE	20		Drilling
Reading & Bates/Rig 40	P	13.63	10	Nat 1625	18		Drilling
Service Equipment/15	P	13.63	10	Idco E900	17		Drilling
TEXAS-GALVESTON							
MGF Drlg/31	B	10.00	5	Owl 76	12	10	Drilling
Nordrill Intl/Falcon	JU	13.63	10	Emsco C2	25	200	Drilling
Penrod Drlg/46	B	13.63	10	Emsco ECB	20	18	Stacked
Pool Offshore/55	JU	13.63	5	Idco E90	12	90	Stacked
Rowan Co/Rowan-Texas	JU	13.63	10	Nat 1320UE	25	225	Drilling
TEXAS-HIGH ISLAND							
Booker Drlg/8	P	2.50	5	G-D 3000			Workover
Booker Drlg/20	P	6.00	5	G-D 500			Workover
Booker Drlg/180	P	10.00	5	G-D 500			Workover
Chiles Drlg/Gulfstream	JU	13.63	10	Nat 110UE	18	150	Drilling
Dixilyn-Field Drlg/85	JU	13.63	10	Nat 1320UE	20	200	Drilling
Dixilyn-Field Drlg/86	JU	13.63	10	Nat 1320UE	20	200	Drilling
Griffin-Alexander Drlg/VII	JU	13.63	10	MC EB1220	25	250	
Huthnance Drlg/11	P	13.63	5	MC U1220	25		Drilling
Nordrill Intl/Seahawk	JU	13.63	10	Nat 1625UE	25	250	Drilling
Phoenix Management/The Mr Ric	JU	13.63	10	G-D 2100E	20	100	Drilling

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	BOP Stack Type •	BOP Stack Size (ID), •	Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½ - In. Pipe, 1000 ft. •	Rated Water Depth •	Status •
TEXAS-HIGH ISLAND (Cont'd)							
Reading & Bates/Leo H Clark	PT	13.63	10	Nat 110M	18		Drilling
Salen Offshore/Salenergy V	JU	13.63	10	MC U1220BE	20	250	Drilling
Service Equipment/4	P	10.00	5	OIME 500	9		Workover
Teledyne Movible Offshore/4	P	13.63	5	Nat 110UE	16		Drilling
Western Oceanic/Western Triton IV	JU	13.63	10	Emsco C2	20	250	Drilling
TEXAS-INGLESIDE							
Marine Drlg/Stormdrill V	JU	13.63	10	Nat 130	20	115	Stacked
TEXAS-MATAGORDA							
Cliffs Drlg/2	B	13.63	10	MC U1220EB	30		Drilling
Griffin-Alexander Drlg/V	JU	13.63	10	MC EB1220	25	200	
Pool Offshore/23	P	10.00	5	Nat T45	7		Stacked
Rowan Intl/Rowan-New Orleans	JU	13.63	5	Nat 1324UE	25	225	Drilling
TEXAS-MATAGORDA ISLAND							
Houston Offshore Intl/Nueces I	JU	13.63	10	Nat 1320UE	16	115	Drilling
Loffland Bros/79	P	13.63	5	MC U1220BE	22		Drilling
Noble Drlg/Ed Holt	JU			Oiwl E3000	25		Drilling
Penrod Drlg/30	P	13.63	10	Nat 1320UE	25	250	Drilling
Penrod Drlg/88	JU	13.63	10	Nat 1320UE	25	250	Drilling
Rowan Co/Rowan Paris	JU	13.63	10	Nat 1625	25	300	Drilling
Teledyne Movible Offshore/16	JU	13.63	10	Emsco C3 Type 2	25	250	Drilling
TEXAS-MUSTANG ISLAND							
Dual Drlg/23	P	13.63	10	Oiwl E3000	25		Drilling
Houston Offshore Intl/Sabine II	JU	13.63	10	Nat 1320UE	20	200	Drilling
Huthnance Drlg/Vanguard I	JU	13.63	10	MC U1220EB	25	300	Drilling
Marlin Drlg/3	JU	13.63	10	Nat 1625DE	25	250	Drilling
Nicklos Drlg/81	P			Nat 1320UE	20		Drilling
Penrod Drlg/69	JU	13.63	10	Nat 1625DE	30	330	Drilling
Reading & Bates/63	P	13.63	10	Oiwl E3000	25		Drilling
Rowan Co/Rowan Louisiana	JU	13.63	10	Nat 1625DE		300	Drilling
Western Oceanic/Western Triton III	JU	13.63	10	Emsco C2	20	250	Drilling
TEXAS-NORTH PADRE ISLAND							
Keydril/Key Manhattan	JU	13.63	10	Nat 1625DE	25	300	Drilling
TEXAS-NUECES							
Magnum Marine/R M Womack	JU	13.63	10	Sup 2000E	25	100	Drilling